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Miscellaneous Sediment Data

CANADA

Données diverses sur les sédiments

1966-1983

INLAND WATERS DIRECTORATE
WATER RESOURCES BRANCH
WATER SURVEY OF CANADA
OTTAWA, CANADA, 1988

DIRECTION GENERALE DES EAUX INTÉRIEURES
DIRECTION DES RESSOURCES EN EAU
DIVISION DES RELEVÉS HYDROLOGIQUES DU CANADA
OTTAWA, CANADA, 1988

Canada

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PREFACE

This publication was prepared by personnel of the Sediment Survey Section, Water Survey of Canada Division, under the direction of the Director, Water Resources Branch, Department of the Environment, Ottawa.

The basic data were collected and compiled under the supervision of the Regional Chiefs of the Water Resources Branch.

The co-operation received from provincial agencies and from other organizations is gratefully acknowledged.

PRÉFACE

Le groupe d'étude des sédiments de la Division des relevés hydrologiques du Canada, sous l'autorité du directeur des Ressources en eau du ministère de l'Environnement, à Ottawa, a préparé la présente publication.

Les chefs régionaux de la Direction des ressources en eau ont supervisé la collecte et la compilation des données de base.

Nous remercions vivement les organismes provinciaux, ou autres, pour leur collaboration.

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INTRODUCTION

The Water Resources Branch of the Department of the Environment herein presents, for the period 1966 to 1983, the results of miscellaneous sediment survey investigations conducted in Canada by the Water Survey of Canada. Some of this information may have been published in a different format in earlier annual data publications. The intention of this publication is to make accessible all available miscellaneous data collected prior to 1984.

Beginning with 1984 data, the annual publication now contains all available sediment data collected by Water Survey of Canada Division. Prior to this year's data, only data for sediment stations for which loadings had been calculated were included in the annual publication.

Data on fluvial sediments provided by sediment survey investigations are intended for use in studies of water quantity and quality, environmental impacts, river processes and behaviour, and engineering design.

INTRODUCTION

Dans la présente publication de la Direction des ressources en eau du ministère de l'Environnement, on trouvera les résultats des diverses études des sédiments qui ont été effectuées au Canada par la Division des relevés hydrologiques du Canada de 1966 à 1983. Un certain nombre de ces résultats ont possiblement été publiés sous forme différente dans des publications annuelles antérieures. Cette publication a pour objectif de permettre l'accessibilité à toutes les données diverses déjà disponibles et qui ont été recueillies avant 1984.

Dès 1984, on trouve dans la publication annuelle toutes les données disponibles sur les sédiments, qui ont été recueillies par la Division des relevés hydrologiques du Canada. Avant les données de cette année, seulement les données obtenues des stations d'étude des sédiments où les débits avaient été calculés étaient incluses dans cette publication. Désormais ces données feront partie de la publication annuelle.

Les données recueillies sur la charge solide dans les cours d'eau doivent servir aux études portant sur la quantité et la qualité de l'eau, les incidences environnementales, les processus fluviaux, le comportement des cours d'eau et la conception de projets.

General descriptive information on the sediment survey stations is included in this publication. Similar or complete information for the associated hydrometric survey station is given in the annual publications containing surface water data.

Further details on individual stations and related records, as well as recent data that may not have been published, may be obtained upon application to the following regional offices:

Regional Chief,
Water Resources Branch,
Department of the Environment,
502-1001 West Pender Street,
Vancouver, British Columbia.
V6E 2M9

Regional Chief,
Water Resources Branch,
Department of the Environment,
Bag 2909,
Postal Station 'M',
(Room 854,
220-4th Avenue S.E.),
Calgary, Alberta.
T2P 2M7

Regional Chief,
Water Resources Branch,
Department of the Environment,
G.M.C. Building,
1102-8th Avenue,
Regina, Saskatchewan.
S4R 1C9

Regional Chief,
Water Resources Branch,
Department of the Environment,
521 Federal Building,
269 Main Street,
Winnipeg, Manitoba.
R3C 1B2

Regional Chief,
Water Resources Branch,
Department of the Environment,
Federal Building,
75 Farquhar Street,
Guelph, Ontario.
N1H 3N4

Regional Chief,
Water Resources Branch,
Department of the Environment,
5th Floor, Queens Square,
45 Alderney Drive,
Dartmouth, Nova Scotia.
B2Y 2N6

Chief, N.W.T. Programs,
Inland Waters/Lands Directorate,
Department of the Environment,
P.O. Box 2970,
Yellowknife, N.W.T.
X1A 2R2

or to the Director, Water Resources Branch, Department of the Environment, Ottawa, Ontario, K1A 0H3 (819 997-1508).

SCOPE OF PUBLICATION

Descriptive information about sediment stations is given. This refers to the Location, Latitude and Longitude, Drainage Area and whether the flow is Natural Flow or Regulated Flow (the year that regulation began is given, if known), and the Type of Gauge. International Gauging Stations are identified and the names of co-operating agencies who supply data are given; unusual conditions at the sediment station that could affect the data results are explained under "Remarks".

La présente publication contient des renseignements descriptifs sur les stations de mesure des sédiments. Des renseignements semblables ou complets sur les stations de relevés hydrométriques connexes sont contenus dans les publications annuelles présentant des données sur les eaux de surface.

On peut obtenir des renseignements supplémentaires sur les stations et les relevés, ainsi que des données récentes possiblement non publiées, en s'adressant aux bureaux régionaux suivants :

Chef régional
Direction des ressources en eau
Ministère de l'Environnement
502-1001, rue Pender ouest
Vancouver (C.-B.)
V6E 2M9

Chef régional
Direction des ressources en eau
Ministère de l'Environnement
Sac postal 2909
Succursale postale 'M'
(Pièce 854
220, Quatrième avenue S.-E.)
Calgary (Alberta)
T2P 2M7

Chef régional
Direction des ressources en eau
Ministère de l'Environnement
Édifice G.M.C.
1102, Huitième avenue
Regina (Saskatchewan)
S4R 1C9

Chef régional
Direction des ressources en eau
Ministère de l'Environnement
521 Édifice fédéral
269, rue Main
Winnipeg (Manitoba)
R3C 1B2

Chef régional
Direction des ressources en eau
Ministère de l'Environnement
Édifice fédéral
75, rue Farquhar
Guelph (Ontario)
N1H 3N4

Chef régional
Direction des ressources en eau
Ministère de l'Environnement
Édifice Queens Square,
5e étage
45, prom. Alderney
Dartmouth (Nouvelle-Écosse)
B2Y 2N6

Chef des programmes des
T.N.-O.
Direction générale des eaux
intérieures et des terres
Ministère de l'Environnement
C.P. 2970
Yellowknife (T.N.-O.)
X1A 2R2

ou Directeur, Direction des ressources en eau, ministère de l'Environnement, Ottawa (Ontario), K1A 0H3 (819 997-1508).

PORTÉE DE LA PUBLICATION

Des données descriptives sont présentées sur les stations d'étude des sédiments. Elles concernent leur emplacement, leurs latitude et longitude, leur bassin versant, la nature de débit (naturel ou régularisé, avec indication, le cas échéant, de l'année où la régularisation a commencé, si elle est connue), et le type d'instrument de mesure employé. Les stations internationales de jaugeage sont indiquées, ainsi que le nom des organismes qui fournissent les données. Des explications concernant des conditions exceptionnelles qui ont pu influer sur les résultats sont présentées dans la partie «Remarques».

This publication contains the date and time of the sample collection; data on streamflow, instantaneous suspended sediment concentration; dissolved solids concentration; water temperature when samples were collected; particle-size distribution of the suspended sediment and the percent sand, silt and clay; and bed material and bedload particle-size distribution.

HISTORY AND OBJECTIVES OF SEDIMENT SURVEYS IN CANADA

In Canada, investigations of sediment transported by streams were first undertaken by individual organizations or agencies in 1948, to meet the needs of federal and provincial agencies for assessment of particular projects. Although the investigations were extended to meet expanding needs after 1948, it was not until 1961 that a systematic survey was undertaken by the Water Resources Branch.

The sediment survey program has the following objectives:

(1) Collection and provision of data related to sediment transport in Canadian rivers for applications in water resource engineering, water quality and environmental studies.

(2) Provision of information and advice related to sediment transport.

(3) Assessment, improvement and standardization of equipment and techniques used in Canada's sediment survey program.

PUBLICATION OF SURFACE WATER AND SEDIMENT DATA

Sediment data have been published in a variety of formats since the beginning of the Sediment Survey Program.

During the years 1948 to 1960, some sediment data were collected for several Prairie rivers to meet the needs of particular projects. The first Water Resources Paper series containing sediment data incorporated a selection of these data and also data for part of the year ending September 30, 1961, at stations established for the continuing program. The second issue was a biennial publication covering only the continuing program for the 1962 and 1963 water years. All subsequent editions titled *Sediment Data Canadian Rivers* have been published annually..

Commencing with 1984, the *Sediment Data* were published in a new format wherein Canada was divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island, which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province or territories covered and the year in which the data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically.

Cette publication renferme la date et la durée de l'échantillonnage, les données sur le débit des cours d'eau, les concentrations instantanées de sédiments en suspension, les concentrations de matières solides en solution, la température de l'eau au moment de l'échantillonnage, la granulométrie des sédiments en suspension et le pourcentage de sable, de limon et d'argile, et enfin des renseignements sur le matériau du lit et la granulométrie du charriage.

HISTORIQUE ET OBJECTIFS DES ÉTUDES DES SÉDIMENTS AU CANADA

Au Canada, les études dans ce domaine ont débuté en 1948 en réponse aux besoins exprimés par certains organismes fédéraux et provinciaux pour l'évaluation de projets donnés et étaient le fait d'organismes privés. Bien que les études se soient poursuivies après 1948 pour satisfaire aux besoins accrus, ce n'est qu'en 1961 que la Direction des ressources en eau les a entreprises de façon systématique.

Les buts de ces études sont de:

(1) réunir et produire des données sur les transports solides dans les cours d'eau canadiens, données dont on peut avoir besoin pour des études concernant l'environnement, la qualité des eaux et la conception de projets portant sur les ressources en eau.

(2) produire des informations concernant les transports solides.

(3) évaluer, améliorer et uniformiser le matériel et les techniques employés dans le programme d'étude des sédiments au Canada.

PUBLICATION DES DONNÉES SUR LES EAUX DE SURFACE ET LES SÉDIMENTS

Depuis le début du programme d'étude des sédiments, la présentation des données a varié.

De 1948 à 1960, on a recueilli des données pour plusieurs cours d'eau des Prairies en prévision de la réalisation de certains projets. La première publication contenant des données sur les sédiments a paru dans la série intitulée *Water Resources Paper*; elle présentait un choix de ces données ainsi que des données recueillies en 1961 avant le 30 septembre à des stations établies pour la réalisation du programme permanent. La deuxième publication a porté sur les données recueillies dans le cadre du programme au cours des années hydrologiques 1962 et 1963. Par la suite, les données ont été publiées annuellement sous le titre *Données sur les sédiments - rivières canadiennes*.

En 1984, la présentation des *Données sur les sédiments* a été modifiée. Le Canada a été divisé en huit régions, une région pour chaque province, sauf le Nouveau-Brunswick, Terre-Neuve, la Nouvelle-Écosse et l'Île-du-Prince-Édouard qui, ensemble, forment la région des provinces de l'Atlantique, et les Territoires du Yukon et du Nord-Ouest, qui forment une autre région. Les publications sont nommées selon la région couverte et l'année des données (année civile). Ces publications sont annuelles. Les stations y sont présentées par ordre alphabétique.

In 1972 the first edition of a *Sediment Data Reference Index* was published and will continue to be published biennially. It contains a tabulation of locations in Canada where sediment data were collected by the Water Survey of Canada. The index has been subdivided alphabetically by province or territory, with sediment survey stations also listed alphabetically. The latest edition supersedes all previous editions because it contains any corrections or additions since the last publication.

The first edition of a new publication series titled *Historical Sediment Data Summary for Canadian Rivers* was produced for data to 1974. This publication contains a summary of historical monthly and annual mean suspended sediment load, and annual extremes of daily suspended sediment concentration and loads and total annual suspended load. This publication has been discontinued, as much of the information is now included in the new annual *Sediment Data* publication.

COLLECTION AND PROCESSING OF BASIC DATA

Equipment and Instrumentation

The sediment survey program of the Water Resources Branch is conducted in cross sections on rivers selected specifically for the sediment survey or for the hydrometric survey. Certain cross sections are located at traffic bridges, while others are equipped with cableways, or automatic pump samplers.

The following sediment samplers have been used in the sediment survey program:

(a) Depth-integrating suspended sediment wading-type hand sampler, USDH-48, used on small streams or during winter periods.

(b) Depth-integrating suspended sediment sampler, USDH-59, used as a handline suspension for small and medium size streams.

(c) Depth-integrating suspended sediment samplers, USD-49, and USD-74, used on a reel suspension for medium and large streams whose depths are less than five metres.

(d) Point-integrating suspended sediment samplers, USP-61, USP-61-A1, USP-63, and USP-72, used for point-integrating sampling, or depth-integrating sampling if the depth is over five metres, or in a cross section with velocities up to two metres per second.

(e) Automatic pump sampler is an automatic pumping system permitting unattended collecting and bottling of individual water samples pumped from a fixed point in a stream. This sampler is normally installed at isolated locations where otherwise no data would be available during ice break-up or peak periods.

(f) Bed material sampler, USBMH-53, used on some small or shallow, wadable streams.

En 1972 paraît la première édition de l'*Index de référence des données sur les sédiments*. L'*Index* est dès lors publié tous les deux ans. Les emplacements où des données sur les sédiments ont été recueillies au Canada par la Division des relevés hydrologiques y sont présentés sous forme de tableau. L'*Index* est subdivisé selon l'ordre alphabétique par province ou territoire, et les stations de mesure des sédiments sont classées par ordre alphabétique. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour effectuées depuis la dernière parution.

Une autre série de publications a porté le titre *Sommaire chronologique des données sur les sédiments de rivières canadiennes*. La première édition renfermait les données disponibles jusqu'en 1974. Cette série présentait un résumé donnant les moyennes mensuelles et annuelles historiques du débit des sédiments en suspension, les valeurs annuelles extrêmes de la concentration journalière et du débit journalier des sédiments en suspension et le débit annuel total des sédiments en suspension. Cette série a été abandonnée, car une bonne partie de l'information est maintenant contenue dans la nouvelle publication annuelle intitulée *Données sur les sédiments*.

COLLECTE ET TRAITEMENT DES DONNÉES DE BASE

Matériel

L'étude des sédiments réalisée par la Direction des ressources en eau porte sur des sections transversales de cours d'eau choisis spécialement à cette fin ou pour les relevés hydrométriques. Certaines sections sont situées sous un pont, d'autres sont accessibles par téléphérique, ou sont étudiées à l'aide d'un échantillonneur sous pression.

On a utilisé les échantillonneurs suivants:

(a) L'échantillonneur intégrateur selon la profondeur, type simple, USDH-48, employé dans les cours d'eau peu profonds ou en hiver;

(b) L'échantillonneur intégrateur selon la profondeur USDH-59, utilisé comme une ligne dans les cours d'eau petits et moyens;

(c) Les échantillonneurs intégrateurs selon la profondeur USD-49 et USD-74 fixés au bout d'une corde s'enroulant autour d'un moulinet et employés dans les cours d'eau gros ou moyens dont la profondeur est inférieure à cinq mètres;

(d) Les échantillonneurs intégrateurs USP-61, USP-61-A1, USP-63 et USP-72, employés ponctuellement ou sur toute la verticale, et utilisés lorsque la profondeur est supérieure à cinq mètres ou dans les sections transversales qui connaissent un débit qui atteint 2 m/s;

(e) Un échantillonneur automatique permettant le prélèvement en bouteilles, sans surveillance, d'échantillons uniques d'eau obtenus à l'aide d'une pompe en un point précis d'un cours d'eau; il est ordinairement installé dans un endroit isolé où aucune donnée ne pourrait être obtenue autrement au cours de la débâcle ou des périodes de débit de pointe;

(f) L'échantillonneur USBMH-53 employé pour le prélèvement d'échantillons des matériaux du lit dans certains cours d'eau petits ou peu profonds où l'on peut passer à pied;

(g) Bed material sampler, USBM-54, used on large deep streams and reservoirs or on those streams with hard-packed streambeds.

(h) Bed material sampler, USBMH-60, used on some large or deep streams or on those streams with soft-packed streambeds.

(i) Lane bed material sampler, a drag-type sampler used on small streams or those with soft streambeds.

Hydrometric Surveys

The hydrometric survey includes the standard procedures for observations of water levels, streamflow measurements, water surface slope determinations if required, and observations of water temperature. The streamflow measurements are made in conjunction with the suspended sediment measurements and conform to the accepted standards of the regular hydrometric survey.

Sediment Sampling Program

The following is a summary of the elements associated with the Sediment Sampling Program:

(a) Periodic measurement of suspended sediment load by the depth-integrating method for determining the average suspended sediment concentration in the cross section.

(b) Periodic collection of single suspended sediment samples at a selected vertical for determining the sediment concentration for days when suspended sediment load measurements are not taken.

(c) Limited measurement of suspended sediment load by the point-integrating method for checking depth-integrated measurements and for determining particle-size distribution in the cross section.

(d) Sampling of bed material for determining particle-size distribution.

The following is a brief explanation of the elements listed above:

(a) *Measurement of Suspended Sediment Load by the Depth-Integrating Method*: Measurements are made by the depth-integrating method to determine the suspended sediment load carried in the entire cross section of a stream. The average suspended sediment concentration in the cross section, and the size distribution of the sediment particles are also determined. It is known that the concentration of suspended sediment tends to increase from the water surface to the streambed and could vary from streambank to streambank.

When making suspended sediment equal-discharge-increment (EDI) measurements, the stream cross section is divided into at least five equal-flow portions and a representative suspended sediment sample is collected from each portion. For each part of the cross section, the suspended sediment load (r) may then be computed by multiplying the flow (q) by the suspended sediment concentration (c):

$$r = q\,c$$

(g) L'échantillonneur USBM-54 employé pour le prélèvement d'échantillons des matériaux du lit dans les cours d'eau importants et profonds, et dans les réservoirs, ou dans les cours d'eau dont le fond est dur;

(h) L'échantillonneur USBMH-60 employé pour le prélèvement d'échantillons des matériaux du lit dans certains cours d'eau importants ou profonds, ou dans les cours d'eau dont le fond est meuble;

(i) La drague employée pour le prélèvement d'échantillons des matériaux du lit dans de petits cours d'eau ou dans des cours d'eau dont le fond est meuble.

Relevés hydrométriques

Le relevé hydrométrique comprend, entre autres, l'observation de la hauteur des eaux, la mesure du débit de l'eau, la détermination de la pente de la ligne d'eau, si nécessaire, ainsi que l'observation de la température de l'eau. Les mesures du débit de l'eau et les mesures des sédiments en suspension se font conjointement, suivant les méthodes acceptées.

Échantillonnage des sédiments des cours d'eau

L'échantillonnage comporte, en gros, les éléments suivants:

(a) La mesure périodique du débit des sédiments en suspension par la méthode d'intégration sur toute la profondeur pour la détermination de la concentration moyenne dans une section transversale;

(b) Le prélèvement périodique d'échantillons uniques des sédiments en suspension selon une verticale choisie, afin de déterminer la concentration des sédiments les journées où le débit des sédiments en suspension n'est pas mesuré;

(c) Un nombre restreint de mesures du débit des sédiments en suspension avec intégration en un point précis d'un cours d'eau, afin de vérifier les résultats des mesures avec intégration selon la profondeur et afin de déterminer la granulométrie des particules de sédiments dans une section transversale d'un cours d'eau;

(d) L'échantillonnage des matériaux du lit afin d'en déterminer la granulométrie.

Voici une brève description des éléments susmentionnés.

(a) *Mesure du débit des sédiments en suspension par intégration selon la profondeur*: La méthode permet de déterminer le débit des sédiments en suspension traversant toute une section transversale d'un cours d'eau. Elle permet de déterminer aussi la concentration moyenne des sédiments en suspension dans la section transversale et la granulométrie des sédiments en suspension. C'est un fait connu que la concentration des sédiments en suspension augmente généralement avec la profondeur et qu'elle peut varier d'une rive à l'autre d'un cours d'eau.

Avec la méthode d'incréments de débits égaux (IDE), la mesure du débit des sédiments en suspension se fait en divisant une section transversale d'un cours d'eau en au moins cinq tranches où le débit est égal et en prélevant un échantillon représentatif dans chacune d'elles. Le débit des sédiments en suspension (r) pour chaque tranche se calcule en multipliant le débit (q) par la concentration des sédiments en suspension (c):

$$r = q\,c$$

The suspended sediment load (R) for the cross section may be computed by adding the sediment loads for the five equal-flow panels:

$$R = r\,n = q_1c_1 + q_2c_2 + \ldots + q_nc_n$$

The depth-integrating method of sampling is used to measure the suspended sediment concentration. This method is based on the premise that the sampler fills at a rate proportional to the velocity of the approaching flow, and that by traversing the depth of a stream at a uniform speed, the sampler will receive a portion of water sediment mixture at every point in the vertical.

(b) *Single Suspended Sediment Samples at a Selected Vertical*: Single suspended sediment samples, consisting of two bottles each, are collected routinely by the depth-integrating method using the depth or point-integrating samplers at a permanently fixed vertical in a cross section. During periods of very heavy sediment concentration, two or three single sediment samples may be taken per day, while during periods of low concentration, one single sediment sample may only be taken every few days. During extremely low flow periods, the sampling may be limited to one single vertical sample in several weeks or months.

(c) *Suspended Sediment Load by Point-Integrating Method*: A limited number of suspended sediment load measurements are made by the point-integrating method. The point-integrating sediment loads are computed by graphical methods and are included in the program (a) to check by comparison the "measured" sediment loads obtained by the depth-integrating method with the suspended sediment loads by the point-integrating method and (b) to obtain samples from which to determine particle-size distribution at different points in the cross section.

The relationship between the suspended sediment concentration of the single vertical samples and the average concentration in the cross section determined from the suspended sediment load measurements is established for some stations. Using this relationship, the sediment concentrations of the single vertical samples are adjusted to reflect the average suspended sediment concentration in the cross section. These average sediment concentrations in the cross sections are plotted, and a smooth curve is drawn through the points to obtain a concentration graph. This graph represents the average suspended sediment concentration for the period of record. The daily mean concentrations are determined by automated procedures using a digitizer interfaced with a Digital minicomputer.

The daily suspended sediment loads are computed on the basis of stream discharges and the collected suspended sediment concentrations. The daily suspended sediment loads are expressed in tonnes per day and are obtained by multiplying the daily mean sediment concentration (mg/L), by the daily mean discharge (m^3/s), and the conversion factor, 0.0864.

(d) *Bed Material Sampling*: In a cross section, bed material samples are usually taken in the same sampling verticals as the suspended sediment samples. Often, additional bed material samples are collected at the water edge, the extreme water level or at other points in the cross section. The total number of bed material samples taken in a cross section usually varies between five and nine.

Le débit des sédiments en suspension (R) pour la section transversale est la somme des débits des sédiments des cinq tranches:

$$R = r\,n = q_1c_1 + q_2c_2 + \ldots + q_nc_n$$

La méthode par intégration sur toute la profondeur est employée pour mesurer la concentration des sédiments en suspension. Elle suppose que l'échantillonneur se remplit à un rythme proportionnel au débit de l'eau et qu'en étant déplacé à une vitesse uniforme sur toute la verticale, il reçoit une partie du mélange eau-sédiments à tous les points de celle-ci.

(b) *Prélèvement d'échantillons uniques de sédiments en suspension sur une verticale choisie*: De tels échantillons, constitués chacun de deux bouteilles, sont prélevés régulièrement au moyen de la méthode par intégration à l'aide d'appareils intégrateurs, selon la profondeur ou ponctuels, sur une verticale permanente d'une section transversale. Lorsque la concentration des sédiments est très forte, deux ou trois échantillonnages peuvent être effectués chaque jour, alors qu'un seul échantillon peut être prélevé à quelques jours d'intervalle lorsqu'elle est faible. Au cours des périodes où le débit est extrêmement faible, l'échantillonnage peut être limité à un échantillon unique prélevé à une verticale toutes les quelques semaines ou tous les quelques mois.

(c) *Mesure du débit des sédiments en suspension par la méthode ponctuelle*: Un nombre limité de mesures du débit des sédiments en suspension sont faites avec cette méthode. Celle-ci utilise des graphiques pour le calcul du débit des sédiments; on y a recours a) pour vérifier les valeurs du débit mesurées au moyen de la méthode précédente et b) pour obtenir des échantillons en vue de déterminer la granulométrie des sédiments en divers points de la section transversale.

Le rapport entre la concentration des sédiments en suspension dans les échantillons prélevés sur une seule verticale et la concentration moyenne dans la section transversale, telle que déterminée à partir des mesures du débit des sédiments en suspension, est établi pour quelques stations. Il permet de corriger les concentrations mesurées à une seule verticale de manière à donner la concentration moyenne dans la section transversale. Les concentrations moyennes ainsi déterminées sont reportées sur un graphique, et une courbe lisse passant par les points marqués est tracée. Le graphique obtenu représente la concentration moyenne des sédiments en suspension pour la période de relevé. Les concentrations moyennes quotidiennes sont déterminées automatiquement à l'aide d'un convertisseur analogique-numérique relié à un mini-ordinateur numérique.

Les valeurs journalières du débit des sédiments en suspension sont calculées à partir du débit du cours d'eau et des concentrations des sédiments en suspension recueillis. Elles sont exprimées en tonnes par jour. On les détermine en multipliant la concentration moyenne journalière des sédiments (mg/L) par le débit moyen journalier (m^3/s) et par un facteur de conversion approprié, 0.0864.

(d) *Échantillonnage des matériaux du lit*: Dans une section transversale, les échantillons des matériaux du lit sont ordinairement prélevés aux mêmes verticales que ceux des sédiments en suspension. Souvent, des échantillons supplémentaires sont pris près des rives, là où le niveau d'eau est extrême et à d'autres points de la section transversale. Leur nombre total pour une section donnée varie ordinairement entre cinq et neuf.

Sediment Survey Laboratories

The Water Resources Branch maintain sediment survey laboratories in New Westminster, British Columbia; Regina, Saskatchewan; Guelph, Ontario; and Moncton, New Brunswick. The laboratories are equipped to perform the following analyses:

(a) determination of sediment concentration by (1) filtration method, (2) evaporation method and (3) determination of total dissolved solids by evaporation method.
(b) particle-size distribution analysis by (1) bottom withdrawal tube method, (2) sieving and (3) hydrometer method.

Determination of the sediment concentration by the evaporation method is carried out by evaporating the water from the settled sediment sample, with the results being corrected for dissolved solids. The quantity of dissolved solids is determined by evaporating a portion of the decanted water of a sample. In the filtration method, the suspended sediment concentration of water samples is determined by utilizing Gooch crucibles with a Reeve Angel 934AH filter and a Millipore AP20 prefilter and a vacuum system.

Particle-size analysis was carried out for some suspended sediment samples having gross weights in the range of 0.15 to 5 g using the Bottom Withdrawal Tube method. The particle-size distribution of the Bottom Withdrawal Tube method ranges from 0.002 to 1.000 mm. The Sieve analysis method may be used for samples with a large amount of material coarser than 0.062 mm.

The particle-size classification used in this report agrees with recommendations made by the American Geophysical Union Subcommittee on Sediment Terminology. The classification is as follows:

Classification	Size (mm)
Clay	0.000 24 - 0.004
Silt	0.004 - 0.062
Sand	0.062 - 2.0
Gravel	2.0 - 64.0

The particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. Most of the organic material is removed and the sample is subjected to mechanical and chemical dispersion before analyzed in distilled water. Chemical dispersion is not used for native-water analysis.

Accuracy and Reliability of Field Data and Computed Results

The overall accuracy and degree of reliability of the sediment data is dependent upon many factors. Some of the more important of these are:

(a) accuracy and reliability of streamflow records;
(b) regime of the river;
(c) type of sampling equipment used to collect the suspended sediment samples;

Laboratoires d'analyse

La Direction des ressources en eau possède des laboratoires d'analyse des sédiments à New Westminster (Colombie-Britannique), Regina (Saskatchewan), Guelph (Ontario) et Moncton (Nouveau-Brunswick). Les laboratoires disposent des appareils nécessaires pour effectuer les analyses suivantes:

(a) la détermination de la concentration des sédiments par (1) filtration, (2) évaporation, et (3) détermination des matières dissoutes totales par évaporation.
(b) l'analyse granulométrique (1) par extraction des sédiments déposés dans un tube, (2) par l'emploi de tamis et (3) par l'utilisation d'un hydromètre.

La méthode par évaporation consiste à faire évaporer l'eau d'un échantillon de sédiments décanté et à corriger les résultats pour tenir compte des matières dissoutes. La quantité de celles-ci est déterminée en faisant évaporer une partie de l'eau de l'échantillon décanté. Dans la méthode par filtration, on utilise sous vide des creusets de Gooch munis d'un filtre Reeve Angel 934AH et d'un préfiltre Millipore AP20.

Une analyse granulométrique a été effectuée pour certains échantillons de sédiments en suspension ayant un poids brut dans l'intervalle de 0.15 à 5 g par la méthode de la burette (extraction des sédiments déposés, à divers intervalles). La distribution de la taille des particules déterminée par cette méthode varie de 0.002 à 1.000 mm. La méthode de tamisage peut être employée pour les échantillons ayant une forte quantité de particules de taille supérieure à 0.062 mm.

La classification granulométrique qui est utilisée dans la présente publication est conforme aux recommandations faites par l'*American Geophysical Union Subcommittee on Sediment Terminology*. La classification est la suivante:

Classification	Taille (mm)
Argile	0.000 24 - 0.004
Limon	0.004 - 0.062
Sable	0.062 - 2.0
Gravier	2.0 - 64.0

La répartition granulométrique qui est fournie dans cette publication, n'est pas obligatoirement représentative de toutes les particules qui sont transportées par un cours d'eau donné. La plupart des matières organiques sont extraites de l'échantillon qui est ensuite soumis à une dispersion mécanique et chimique avant d'être analysé dans de l'eau distillée. La dispersion chimique ne sert pas à l'analyse de l'eau naturelle.

Exactitude des données et des résultats

L'exactitude des données sur les sédiments dépend de nombreux facteurs. On peut citer, parmi les plus importants:

(a) l'exactitude des données sur les débits;
(b) le régime d'un cours d'eau;
(c) le type d'appareil d'échantillonnage utilisé pour prélever les échantillons de sédiments en suspension;

(d) frequency of suspended sediment discharge measurements;
(e) frequency of individual sampling;
(f) quality of the relationship between the average suspended sediment concentration in the cross section and the concentration of the individual samples;
(g) frequency and method of bed material sampling;
(h) accuracy and reliability of the laboratory analysis;
(i) selected methods of computation of the suspended sediment discharge;
(j) interpretation and extrapolation of sediment records.

In general, data collected during open-water periods are more reliable than those collected during periods of ice conditions or those records obtained by estimation. Further, water level data collected utilizing a water-stage recorder are more reliable and accurate than those using a manual gauge only, especially for small or flashy streams.

METHOD OF TABULATION OF SEDIMENT DATA

Descriptive information about the sediment station is given for all stations and will indicate the following.

Location – the latitude and longitude co-ordinates of the location of the gauge are given. For stations where the gauge is located an appreciable distance from the discharge measurement section, these co-ordinates give the location of the discharge measurement section.

Drainage area – refers to that area enclosed by a topographic divide such that direct surface runoff from precipitation would drain by gravity into the stream upstream from the location of the station.

Type of Flow – where the flow is known to be natural, this is indicated. The flow of water in many river systems is affected by upstream regulation. In some cases, the extent of this regulation is not known and therefore is not indicated. However, where the regulation is known to be "appreciable", this is indicated as well as the year that the regulation began, if known.

Type of Gauge – refers to the installation or method used to obtain water level or discharge data:

(a) Manual – a non-recording type of gauge from which observations of stage normally are obtained once daily.

(b) Recording – a water-stage recorder from which continuous water levels are obtained on an analog chart. For most International Gauging Stations located in the United States, water level records are obtained utilizing a digital recorder.

(d) la fréquence des mesures du débit des sédiments en suspension;
(e) la fréquence des échantillonnages isolés;
(f) la qualité du rapport entre la concentration moyenne des sédiments en suspension dans une section transversale et la concentration des échantillons isolés;
(g) la fréquence des échantillonnages des matériaux de fond et la méthode utilisée;
(h) l'exactitude des analyses de laboratoire;
(i) les méthodes de calcul du débit des sédiments en suspension;
(j) l'interprétation et l'extrapolation des données sur les sédiments.

En général, les données recueillies au cours des périodes d'eau libre sont plus sûres que celles qui sont obtenues au cours des périodes de glaces ou par estimation. De plus, les données sur le niveau des eaux qui sont mesurées à l'aide d'un limnigraphe sont plus certaines et plus exactes que celles qui sont mesurées à l'aide d'une jauge manuelle seulement, surtout dans le cas des petits cours d'eau ou des cours d'eau à crues très rapides.

PRÉSENTATION DES TABLEAUX DE DONNÉES SUR LES SÉDIMENTS

Des renseignements descriptifs au sujet de la station d'étude des sédiments sont présentés pour toutes les stations. On peut y apporter les précisions suivantes:

Emplacement (Location) – La latitude et la longitude de la station de jaugeage sont indiquées. Dans les cas où l'équipement de mesure est situé à une bonne distance de la section où le jaugeage est effectué, on indique les coordonnées de cette section.

Superficie du bassin versant (Drainage area) – Désigne la zone délimitée par une ligne de faîte de sorte que l'écoulement de surface direct provenant des précipitations est entraîné par gravité vers le cours d'eau, en amont de la station.

Type de débit (Type of Flow) – Un débit reconnu comme naturel est indiqué. Le débit de nombreux réseaux hydrographiques est modifié par une régularisation effectuée en amont. Dans certains cas, l'importance de cette régularisation n'est pas connue, et elle n'est donc pas indiquée. Cependant, quand on sait que la régularisation est d'une certaine importance, on l'indique, ainsi que l'année où elle a débuté (si elle est connue).

Type de jauge (Type of Gauge) – Il s'agit des jauges ou des méthodes de jaugeage utilisées pour obtenir les données sur le niveau ou le débit d'un cours d'eau.

(a) *Manuel* (Manual) – Indique qu'un appareil non enregistreur est employé pour obtenir normalement une fois par jour les données sur le niveau et le débit du cours d'eau.
(b) *Enregistreuse* (Recording) – Indique qu'un limnigraphe permet de mesurer de façon continue le niveau des eaux qui est tracé sur un graphique. La plupart des stations internationales de jaugeage des États-Unis obtiennent les données sur le niveau des eaux à l'aide d'un enregistreur numérique.

International Gauging Station – on waters adjacent to the international boundary, certain gauging stations have been designated as "International" and records are approved jointly. Differences between figures published herein and corresponding figures in United States Water Supply Papers are due to variations in automated data processing techniques.

Contributed Data – if data were supplied in their entirety or partially by an outside agency, the name of this co-operating agency is given.

Remarks – contains a statement pertaining to the sediment sample collection.

The table of *Instantaneous Suspended Sediment Concentration* for depth-integrating samples includes the following: Date and Time of the sample collection; Water Temperature; Instantaneous Discharge at time of sampling, (if not available the daily mean discharge is given and indicated by a symbol); Instantaneous Concentration and the Dissolved Solids is given. The particle-size distribution of Sand, Silt and Clay, in percent finer and the percent Sand, Silt and Clay are given where available.

For the suspended sediment measurements, the Date; Time; Water Temperature at time of sampling; Discharge computed for each sampling panel; Concentration; Sampling Vertical; Dissolved Solids; Percent Sand, Silt and Clay; Type of Sampler used; and the Particle-size distribution of the Sand, Silt and Clay, in percent is given where available.

The table of *Bedload Particle-size* gives the Date and Time of the sample collection; Instantaneous Discharge; Number of Sampling points and the Type of Sampler used in the collection of the sample. The particle-size distribution for all sampling points are averaged and presented in Percent Finer, in millimetres.

The table of *Bed Material Particle-size* gives the Date and Time of the sample collection; Instantaneous Discharge; Number of Sampling points and the Type of Sampler used in the collection of the sample. The particle-size distribution for all sampling points are averaged and presented in Percent Finer, in millimetres.

Station internationale de jaugeage (International Gauging Station) – Dans les eaux contiguës aux frontières, on a désigné certaines stations comme «internationales», et les données obtenues sont approuvées par les pays concernés. Les différences entre les chiffres publiés dans la présente publications et dans les *United States Water Supply Papers* sont dues à des variantes dans les techniques de traitement automatique des données.

Données fournies (Contributed Data) – Lorsqu'un organisme extérieur a fourni toutes les données ou une partie des données, son nom est indiqué.

Remarques (Remarks) – Renseignements au sujet du prélèvement des échantillons de sédiments.

Le tableau des *concentrations instantanées de sédiments en suspension* (The table of Instantaneous Suspended Sediment Concentration) pour les échantillons obtenus par intégration selon la profondeur comprend: la date et l'heure de prélèvement; la température de l'eau; son débit instantané au moment de l'échantillonnage (s'il n'est pas connu, le débit journalier moyen, avec symbole). La concentration instantanée des matières dissoutes est donnée. La granulométrie du sable, du limon et de l'argile, en pourcentage des particules de taille inférieure aux tailles indiquées, ainsi que les pourcentages de sable, de limon et d'argile sont donnés lorsque disponibles.

Pour les mesures des sédiments en suspension, on donne la date, l'heure, la température de l'eau au moment de l'échantillonnage, le débit calculé pour chaque tranche de la section d'échantillonnage, la concentration et la verticale d'échantillonnage, la concentration des matières dissoutes, les pourcentages de sable, de limon et d'argile, le type d'échantillonneur employé, et la granulométrie du sable, du limon et de l'argile, en pourcentage des particules lorsqu'elle est disponible.

Le tableau de la *granulométrie du charriage* (The table of Bedload Particle-size) donne la date et l'heure de prélèvement de l'échantillon, le débit instantané, le nombre de points d'échantillonnage et le type d'échantillonneur employé. On a calculé la moyenne de la répartition granulométrique pour tous les points d'échantillonnage et on l'a exprimée en pourcentage des particules les plus fines, en millimètres.

Le tableau de la *granulométrie des matériaux du lit* (The table of Bed Material Particle-size) donne la date et l'heure de prélèvement de l'échantillon, le débit instantané, le nombre de points d'échantillonnage et le type d'échantillonneur employé. On a calculé la moyenne de la répartition granulométrique pour tous les points d'échantillonnage et on l'a exprimée en pourcentage des particules les plus fines, en millimètres.

DEFINITION OF TERMS

The following definitions are given to clarify the terms used in sediment survey publications.

Automatic pump sample is an individual water-sediment mixture pumped from a fixed point in a stream.

Bed load is that material moving in almost continuous contact with the streambed, being rolled or pushed along the bottom by the force of the water.

Bed material is the sediment mixture of which the streambed is composed.

Daily load is the suspended sediment load expressed in tonnes for a particular day. The daily load is obtained by multiplying the daily mean sediment concentration (mg/L) by the daily mean discharge (m^3/s) and the conversion factor, 0.0864.

Daily mean concentration is a time-weighted mean value and is computed from a manually constructed concentration curve. The mean concentration value may be determined arithmetically or graphically. The arithmetic mean is obtained either by (1) selecting values from the concentration graph that represents uniform intervals of time and taking the arithmetic average or by (2) selecting values from the graph that represent unequal intervals of time and weighing these values by the time intervals represented by the concentrations. For graphical explanation refer to *Office Procedures for Sediment Data Computations* and for the automated graphical explanation refer to *Automated Hydrometric Computation Procedures*.

Depth-integrated sediment sample is a suspended sediment sample collected at a single vertical in a cross section in a sampler moving vertically at a constant transit rate and represents an average sample for that part of the depth ranging from the water surface to about nine centimetres above the streambed.

Instantaneous suspended sediment sample is a sample collected at a fixed vertical in a river cross section.

Measured suspended sediment discharge is the suspended sediment discharge that can be computed from stream discharge and the concentration of sediment determined from depth-integrated sediment samples.

Particle-size analysis is the process of determining the size distribution of particles in a sediment sample.

Point-integrated sediment sample is a sample of the water-sediment mixture taken over a specified period of time at a fixed point and depth in a river cross section.

DÉFINITION DES TERMES

Les définitions suivantes sont présentées afin de faciliter la compréhension des termes utilisés dans les publications portant sur l'étude des sédiments.

Échantillonnage automatique à l'aide d'une pompe (Automatic pump sample): Prélèvement d'un mélange de sédiments et d'eau au moyen d'une pompe fonctionnant automatiquement, en un point précis d'un cours d'eau.

Charriage (Bed load): Matières roulées ou poussées sur le fond sous l'action de l'eau, mais restant en contact presque permanent avec le fond.

Matériau du lit (Bed material): Mélange de sédiments composant le lit d'un cours d'eau.

Débit journalier des sédiments en suspension (Daily load): Débit des sédiments en suspension exprimé en tonnes par jour, pour une journée donnée. On l'obtient en multipliant la concentration journalière moyenne des sédiments (mg/L) par le débit journalier moyen de l'eau (m^3/s) et le facteur de conversion 0.0864.

Concentration journalière moyenne (Daily mean concentration): Moyenne pondérée en fonction du temps, calculée à partir d'une courbe de la concentration établie manuellement. La valeur de la concentration moyenne peut être déterminée arithmétiquement ou graphiquement. Pour la déterminer arithmétiquement, on peut, soit choisir sur la courbe des valeurs représentant des intervalles uniformes de temps et faire la moyenne arithmétique, soit choisir sur cette courbe des valeurs qui représentent des intervalles inégaux de temps et pondérer ces valeurs en fonction des intervalles de temps correspondants. En ce qui concerne les méthodes graphiques, consulter *Méthodes de bureau pour les calculs de données sur les sédiments* et, pour la méthode automatisée, *Automated Hydrometric Computation Procedures*.

Échantillon intégré sur toute la profondeur (Depth integrated sediment sample): Échantillon des sédiments en suspension prélevé sur une verticale précise d'une section transversale d'un cours d'eau à l'aide d'un échantillonneur se déplaçant verticalement à une vitesse constante; il représente un échantillon moyen des matières en suspension entre la surface de l'eau et environ 9 cm du fond.

Échantillon instantané de sédiments en suspension (Instantaneous suspended sediment sample): Échantillon prélevé à une verticale précise d'une section transversale d'un cours d'eau.

Débit mesuré des sédiments en suspension (Measured suspended sediment discharge): Débit des sédiments en suspension qui peut être calculé à partir du débit du cours d'eau et de la concentration des sédiments déterminée à partir d'échantillons intégrés sur toute la profondeur.

Analyse granulométrique (Particle-size analysis): Détermination de la répartition de la taille des particules dans un échantillon de sédiments.

Échantillon ponctuel et intégré (Point-integrated sediment sample): Échantillon constitué d'un mélange d'eau et de sédiments, prélevé au cours d'une période de temps donnée en un point précis d'une section transversale d'un cours d'eau et à une profondeur donnée.

Sediment is fragmental material which has deposited, eroded or transported by a flowing stream.

Sediment hydrograph is a graph showing the variation of suspended sediment concentration or sediment discharge with respect to time.

Single sample is a sample taken at a selected permanent vertical in a cross section. Two bottles of water-sediment mixture make up each single sample.

Single sampling vertical is a selected permanent vertical in a cross section in which single suspended sediment samples are collected.

Suspended sediment is sediment that moves in suspension in water either as a colloid or through the influence of the upward component of turbulent currents.

Suspended sediment concentration is the ratio of the weight of dry solids in a water-sediment mixture to the volume of the mixture. The units of this ratio are "milligrams per litre" (mg/L).

Suspended sediment load is the quantity of suspended sediment transported through a cross section per unit of time.

Total sediment load is the sum of the suspended sediment load and the bed load.

Unmeasured sediment load is the difference between total sediment load and measured suspended sediment load.

DEFINITION OF SYMBOLS

Symbols are located at the bottom of the data sets under the headings Time, Discharge, Concentration, and Dissolved Solids. The symbols with their definitions are listed below.

Time Symbol

E – Estimated – indicates estimated data. It indicates that the time of sample collection is estimated by some indirect method or comparison with other stream data.

Discharge Symbol(s)

A – Manual Gauge – indicates that one or more manual gauge observations per day were obtained and used as the mean for the day for a gauging station equipped with a recording gauge. This symbol is used during open-water periods only.

B – Ice Conditions – indicates the presence of ice at the gauging station. For gauging stations where discharge data are obtained, this symbol indicates that the presence of ice has affected the stage-discharge relationship.

Sédiments (Sediment): Matières fragmentaires qui ont été déposées, érodées ou transportées par un cours d'eau.

Hydrogramme des sédiments (Sediment hydrograph): Graphique représentant la variation de la concentration des sédiments en suspension ou du débit des sédiments en fonction du temps.

Échantillon unique (Single sample): Échantillon prélevé sur une verticale permanente particulière dans une section transversale. Deux bouteilles du mélange eau-sédiments constituent un seul échantillon.

Verticale d'échantillonnage unique (Single sampling vertical): Verticale permanente d'une section transversale où des échantillons uniques de sédiments en suspension sont prélevés.

Sédiments en suspension (Suspended sediment): Matériaux qui se déplacent au sein de l'eau, soit sous forme colloïdale, soit sous l'influence des forces ascendantes des courants turbulents.

Concentration des sédiments en suspension (Suspended sediment concentration): Rapport entre le poids des matières solides sèches contenues dans un mélange eau-sédiments et le volume du mélange. Les unités employées sont les «milligrammes par litre» (mg/L).

Débit des sédiments en suspension (Suspended sediment load): Quantité de sédiments en suspension transportés par unité de temps à travers une section transversale d'un cours d'eau.

Débit total des sédiments (Total sediment load): Somme du débit des sédiments en suspension et du débit charrié.

Débit non mesuré des sédiments (Unmeasured sediment load): Différence entre le débit total des sédiments et le débit mesuré des sédiments en suspension.

DÉFINITION DES SYMBOLES

Les symboles figurent au bas des séries de données et sont traités sous les rubriques Temps, Débit, Concentration, Matières solides en solution. Ces symboles avec leurs définitions sont donnés dans la liste ci-après.

Symbole du temps :

E – Estimative – Indique des données estimatives, c'est-à-dire que l'heure de prélèvement de l'échantillon est évaluée de façon indirecte ou par comparaison avec d'autres données sur les cours d'eau.

Symbole(s) du débit :

A – Turbidisonde simple – Indique qu'on a effectué à une station de jaugeage dotée d'une turbidisonde enregistreuse au moins une observation par jour à l'aide d'une turbidisonde simple et qu'on s'en est servi comme moyenne pour la journée en question. Le symbole n'est employé qu'au cours des périodes d'eau libre.

B – Glaces – Indique la présence de glaces à la station de jaugeage, qui ont faussé la relation hauteur-débit.

E – Estimated – indicates estimated data. It indicates that the values recorded are estimated by some indirect method such as interpolation, extrapolation, comparison with other streams or by comparison with meteorological data.

H – Daily Mean Discharge – is the mean discharge for a particular day, usually referred to as the "daily mean discharge".

V – Daily Mean; Manual Gauge – is the mean discharge for a particular day and indicates that one or more manual gauge observations per day were obtained and used as the mean for the day.

W – Daily Mean; Ice Conditions – is the mean discharge for a particular day and indicates that the presence of ice has affected the stage-discharge relationship.

Y – Daily Mean; Estimated – is the mean discharge for a particular day and indicates that the value has been estimated by some indirect method.

Concentration Symbol(s)

K – Sample(s) collected in a single vertical – indicates that the concentration is that of one sample collected at a single vertical in the cross-section. Two bottles of water-sediment mixture make up each single sample.

R – Samples collected in several verticals – indicates that the concentration value is a mean of several samples collected from several verticals, usually five. This same reasoning refers to the Particle Size Percent Finer and the Percent Sand, Silt and Clay.

Dissolved Solids Symbol(s)

K – Samples collected in a single vertical – indicates that the Dissolved Solids value is a mean of two or more suspended sediment samples collected from a single vertical at different times of day.

R – Samples collected in several verticals – indicates that the Dissolved Solids value is a mean of all or several suspended sediment samples collected from several verticals in the stream cross-section during a day.

Note: If no symbol is present for the Concentration or the Dissolved Solids the value is then from one sample collected from the single vertical.

E – Estimative – Indique des données estimatives, c'est-à-dire que les valeurs enregistrées sont évaluées de façon indirecte, par exemple par interpolation, extrapolation, ou par comparaison avec d'autres cours d'eau ou avec des données météorologiques.

H – Débit journalier moyen – Débit moyen pour une journée donnée, ordinairement appelé «débit journalier moyen».

V – Débit journalier moyen, turbidisonde simple – Débit moyen pour une journée donnée; indique qu'on a effectué au moins une observation par jour et qu'on s'en est servi comme moyenne pour la journée en question.

W – Débit journalier moyen; glaces – Débit moyen pour une journée donnée; indique que la présence de glaces a faussé la relation hauteur-débit.

Y – Débit journalier moyen; estimative – Débit moyen pour une journée donnée; indique que la valeur a été évaluée de façon indirecte.

Symbole(s) de la concentration :

K – Échantillon(s) prélevé(s) sur une verticale – Indique que la concentration est celle d'un échantillon prélevé à une verticale précise d'une section transversale. Deux bouteilles du mélange eau-sédiments constituent un seul échantillon.

R – Échantillons prélevés sur plusieurs verticales – Indique que la valeur de la concentration correspond à la moyenne de plusieurs échantillons pris sur plusieurs verticales, ordinairement cinq. Ce même raisonnement s'applique au pourcentage des particules les plus fines et aux pourcentages de sable, de limon et d'argile.

Symbole(s) des matières solides en solution :

K – Échantillons prélevés sur une verticale – Indique que la teneur en matières solides en solution correspond à la moyenne de deux ou plusieurs échantillons de sédiments en suspension prélevés sur une verticale précise à des intervalles déterminés pendant la journée.

R – Échantillons prélevés sur plusieurs verticales – Indique que la teneur en matières solides en solution correspond à la moyenne de tous les échantillons ou plusieurs échantillons de sédiments en suspension prélevés sur plusieurs verticales dans la section transversale d'un cours d'eau durant la journée.

Note : S'il n'y a pas de symbole pour la concentration ou les matières solides en solution, la teneur correspond alors à un échantillon prélevé sur une verticale précise.

CO-OPERATION AND ACKNOWLEDGMENTS

Co-operative undertakings with other agencies form an important part of the activities of the Water Survey of Canada. Close co-operation has been maintained with public agencies and private organizations concerned with water resources. Data have been mutually exchanged and suspended sediment collection operations have been facilitated by the assistance received from a number of organizations.

On waters adjacent to the International Boundary, certain sediment stations are maintained by Canada (or the United States) under agreement with the United States (or Canada) and the records are collected and compiled in a manner equally acceptable to both countries. These stations are designated as "International Gauging Stations" in this publication.

For the valuable assistance and co-operation received in obtaining sediment survey records, the Water Survey of Canada is indebted to other federal and provincial organizations which are noted as contributing agencies in the summary for the year. A list of these agencies may be found in the *Sediment Data Reference Index*.

MICROFICHE

Sediment data are available in metric units on microfiche, upon request. The data are stored in station number order by province. There are 270 frames per microfiche at 48X reduction; there is a visible heading showing the fiche number, type of data, province, beginning and ending station number and year of data, and the month/year the fiche was created. The last frame is an index of the contents of that fiche.

COOPÉRATION ET REMERCIEMENTS

Le travail entrepris en coopération avec d'autres organismes représente une partie importante des activités de la Division des relevés hydrologiques du Canada. On a maintenu une étroite collaboration avec les organismes, publics ou privés, qui s'intéressent aux ressources en eau. On a échangé des données sur les sédiments, et l'assistance fournie par certains organismes a facilité les opérations d'échantillonnage des sédiments en suspension.

Dans les eaux adjacentes à la frontière internationale, les stations dépendent du Canada ou des États-Unis selon l'accord intervenu entre les deux pays, et les relevés sont faits et compilés de façon à satisfaire les deux pays. Ces stations sont nommées «Stations internationales de jaugeage» dans la présente publication.

La Division des relevés hydrologiques du Canada est redevable à plusieurs organismes fédéraux et provinciaux, dont les noms apparaissent dans le sommaire de l'année, de l'aide et de la collaboration qu'ils lui ont apportées pour l'obtention des données sur les sédiments. On trouvera également les noms des organismes qui ont fourni des données dans l'*Index de référence des données sur les sédiments*.

MICROFICHE

Les données sur les sédiments sont disponibles sur microfiche en unités métriques. Ces données sont emmagasinées par ordre de numéro de station et par province. Chaque microfiche renferme 270 pages réduites de 48X. L'en-tête indique le numéro de la fiche, le genre de données, la province, le numéro de la première et de la dernière station, la première et la dernière année des données ainsi que le mois et l'année de création de la fiche. La dernière image donne l'index de la fiche.

EQUIVALENTS OF MEASURE

The following list of convenient equivalents of measure includes the relationship between imperial units and the International System of Units (SI).

1 inch equals 2.54 cm (centimetres)
1 foot equals 0.3048 m (metre)
1 statute mile equals 1.6093 km (kilometres)

1 cm (centimetre) equals 0.393 70 inch
1 m (metre) equals 3.2808 feet
1 km (kilometre) equals 0.621 37 mile

1 acre equals 43 560 square feet
1 acre equals 0.404 69 ha (hectare)
1 square mile equals 640 acres
1 square mile equals 2.5900 km^2 (square kilometres)
1 square mile equals 259.0 ha (hectares)

1 ha (hectare) equals 10 000 m^2 (square metres)
1 ha (hectare) equals 2.4710 acres
1 km^2 (square kilometre) equals 0.386 10 square mile

1 cubic foot equals 6.2288 imperial gallons
1 imperial gallon equals 4.546 09 L (litres)
1 imperial gallon equals 1.2010 U.S. gallons
1 U.S. gallon equals 0.133 68 cubic foot
1 cubic foot equals 0.028 317 m^3 (cubic metre)
1 m^3 (cubic metre) equals 35.315 cubic feet
1 dam^3 (cubic decametre) equals 1000 m^3 (cubic metres)
1 dam^3 (cubic decametre) equals 1 mm (millimetre) over 1 km^2 (square kilometre)

1 cubic foot per second for one day equals 1.9835 acre-feet
1 cubic foot per second for one day covers one square mile to a depth of 0.037 19 inch
1 acre-foot equals 1.2335 dam^3 (cubic decametres)
1 m^3/s (cubic metre per second) for one day equals 86.4 dam^3 (cubic decametre)
1 m^3/s (cubic metre per second) for one day covers one square kilometre to a depth of 0.0864 m (metre)

1 foot per second equals 0.6818 mile per hour
1 mile per hour equals 1.467 feet per second
1 m/s (metre per second) equals 3.6 km/h (kilometre per hour)
1 km/h (kilometre per hour) equals 0.2778 m/s (metre per second)

1 cubic foot per second equals 0.028 317 m^3/s (cubic metre per second)
1 m^3/s (cubic metre per second) equals 35.315 cubic feet per second

1 pound equals 0.453 59 kg (kilogram)
1 kg (kilogram) equals 2.2046 pounds

1 short ton (2000 pounds) equals 0.907 18 t (tonne)
1 t (tonne) equals 2204.6 pounds

degrees Celsius = 5/9 (degrees Fahrenheit - 32)
degrees Fahrenheit = 9/5 (degrees Celsius) + 32

ÉQUIVALENCES DES UNITÉS DE MESURE

Voici une liste des unités de mesure impériales et leurs équivalences dans le Système international d'unités (SI).

1 pouce vaut 2.54 cm (centimètres)
1 pied vaut 0.3048 m (mètre)
1 mille terrestre vaut 1.6093 km (kilomètre)

1 cm (centimètre) vaut 0.393 70 pouce
1 m (mètre) vaut 3.2808 pieds
1 km (kilomètre) vaut 0.621 37 mille

1 acre vaut 43 560 pieds carrés
1 acre vaut 0.404 69 ha (hectare)
1 mille carré vaut 640 acres
1 mille carré vaut 2.5900 km^2 (kilomètres carrés)
1 mille carré vaut 259.0 ha (hectares)

1 ha (hectare) vaut 10 000 m^2 (mètres carrés)
1 ha (hectare) vaut 2.4710 acres
1 km^2 (kilomètre carré) vaut 0.386 10 mille carré

1 pied cube vaut 6.2288 gallons impérials
1 gallon impérial vaut 4.546 09 L (litres)
1 gallon impérial vaut 1.2010 gallon américain
1 gallon américain vaut 0.133 68 pied cube
1 pied cube vaut 0.028 317 m^3 (mètre cube)
1 m^3 (mètre cube) vaut 35.315 pieds cubes
1 dam^3 (décamètre cube) vaut 1000 m^3 (mètres cubes)
1 dam^3 (décamètre cube) vaut 1 mm (millimètre) qui couvre 1 km^2 (kilomètre carré)

1 pied cube par seconde pendant un jour vaut 1.9835 acre-pied
1 pied cube par seconde pendant un jour couvre un volume d'un mille carré par 0.037 19 pouce
1 acre-pied vaut 1.2335 dam^3 (décamètre cube)
1 m^3/s (mètre cube par seconde) pour un jour vaut 86.4 dam^3 (décamètres cubes)
1 m^3/s (mètre cube par seconde) pour un jour couvre un kilomètre carré à une profondeur de 0.0864 m (mètre)

1 pied par seconde vaut 0.6818 mille par heure
1 mille par heure vaut 1.467 pied par seconde
1 m/s (mètre par seconde) vaut 3.6 km/h (kilomètres par heure)
1 km/h (kilomètre par heure) vaut 0.2778 m/s (mètre par seconde)

1 pied cube par seconde vaut 0.028 317 m^3/s (mètre cube par seconde)
1 m^3/s (mètre cube par seconde) vaut 35.315 pieds cubes par seconde

1 livre vaut 0.453 59 kg (kilogramme)
1 kg (kilogramme) vaut 2.2046 livres

1 tonne courte (2000 livres) vaut 0.907 18 t (tonne)
1 t (tonne) vaut 2204.6 livres

degrés Celsius = 5/9 (degrés Fahrenheit - 32)
degrés Fahrenheit = 9/5 (degrés Celsius) + 32

ALBERTA

ALKALI CREEK NEAR THE MOUTH - STATION NO. 05CK005

LOCATION: LAT 50 53 54 N LONG 110 30 30 W
DRAINAGE AREA: 590 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP.	INSTANT. DISCHARGE	INSTANT. CONCENT.	DISSOLVED SOLIDS	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES											PERCENT		
						.002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	SAND	SILT	CLAY
		(°C)	(m³/s)	(mg/L)	(mg/L)														
1971 MAY 10 11:00				119	1 210														

ATHABASCA RIVER AT EMBARRAS AIRPORT - STATION NO. 07DD001

LOCATION: LAT 58 12 18 N LONG 111 23 24 W
DRAINAGE AREA: 155 000 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP.	INSTANT. DISCHARGE		INSTANT. CONCENT.		DISSOLVED SOLIDS	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES										PERCENT		
								.002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	SAND	SILT	CLAY
		(°C)	(m³/s)		(mg/L)		(mg/L)														
1971 MAY 11 12:00E			1 330	H	328																
1971 JUN 04 12:00E			949	H	161																
1971 JUN 14 13:00E			2 230	H	1 490																
1971 JUN 15 12:00E			2 840	H	1 420																
1971 JUL 06 12:00E			2 120	H	578																
1971 JUL 17 12:00E			4 190	H	1 260																
1971 AUG 03 12:00E			1 510	H	269																
1971 AUG 17 12:00E			1 170	H	165																
1971 AUG 31 12:00E			624	H	87																
1971 SEP 28 12:00E			541	H	52																
1971 DEC 06 12:00E			212	W	4																
1972 APR 12 12:45		0.0	303	W	13		229														
1972 MAY 16 12:00E			1 700	H	366																
1972 JUL 13 12:00E			1 470	H	286																
1973 JUN 22 10:00		18.0	2 670	H	1 420	K		17	25	37	52	68	83	92	97	99	100		17	56	28

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS
CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

ATHABASCA RIVER AT MCMURRAY - STATION NO. 07CC002

LOCATION: LAT 56 44 00 N LONG 111 22 30 W
DRAINAGE AREA: 99 700 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP.	INSTANT. DISCHARGE	INSTANT. CONCENT.	DISSOLVED SOLIDS	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES											PERCENT		
						.002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	SAND	SILT	CLAY
		(°C)	(m³/s)	(mg/L)	(mg/L)														
1986 SEP 26 12:00		11.7		20	171														

ALBERTA

ATHABASCA RIVER BELOW McMURRAY - STATION NO. 07DA001

LOCATION: LAT 56 46 50 N LONG 111 24 00 W
DRAINAGE AREA: 133 000 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1987 MAY 11	17:30		1 380		405	K	183	21	28	46	66	78	87	93	98	100			13	69	28
1987 JUN 21	16:00	15.5	1 540	H	336	K	180	12	16	24	34	47	63	82	93	98	100		37	47	16
1987 AUG 02	12:00E	20.0	1 030	H	85		155														
1987 SEP 12	12:00E	15.5	697	H	43		164														
1987 OCT 18	12:00E	3.5	345	H	42																
1987 DEC 12	12:00E	0.5	141	W	6																
1988 JAN 16	12:00E	0.5	120	W	8																
1988 FEB 02	12:00E	0.5	114	W	7																
1988 MAR 21	12:00E	0.5	184	W	5		271														
1988 APR 09	12:00E	0.5	237	W	12																
1988 MAY 02	12:00E	4.0	430	H	268																
1988 JUN 04	12:00E	17.0	883	H	36		159														
1988 JUL 04	12:00E	18.6	1 340	H	35		142														
1988 AUG 08	12:00E	17.0	906	H	18																
1988 SEP 11	12:00E	13.0	609	H	37																
1988 OCT 18	12:00E	4.0	504	H	43																
1988 DEC 02	12:00E	0.5	206	W	27																

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

ATHABASCA RIVER NEAR WINDFALL - STATION NO. 07AE001

LOCATION: LAT 54 12 25 N LONG 118 03 45 W
DRAINAGE AREA: 19 800 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1974 AUG 28	12:00E	13.3	388	H	31															
1974 SEP 25	12:00E	11.7	218	H	8															
1975 MAY 27	12:00E	8.0	174	V	13															
1975 JUN 17	12:00E	12.0	428	V	89															
1975 SEP 25	12:00E		155	H	6															
1976 APR 20	12:00E	5.0	125	H	21															
1976 MAY 20	12:00E	9.0	276	H	103															
1976 JUN 22	12:00E	11.0	686	H	238															
1976 AUG 24	12:00E	15.0	530	H	44															
1976 SEP 22	12:00E		283	H	10															
1977 MAY 09	12:00E	9.0	402	H	171															
1977 JUN 01	12:00E	12.0	521	V	124															
1977 JUN 22	12:00E	14.0	833	H	195															
1977 SEP 28	12:00E	8.0	382	H	20															
1978 APR 26	12:00E	9.0	146	H	31															
1978 MAY 17	12:00E	11.0	182	H	14															
1978 JUN 06	12:00E	15.0	716	H	613															
1978 JUN 16	12:00E	13.0	940	H	392															
1978 JUN 27	12:00E	14.0	634	H	70															
1978 JUL 18	12:00E	14.0	773	H	149															
1978 AUG 29	12:00E	13.0	294	H	21															
1978 SEP 14	12:00E	11.0	584	H	46															
1978 SEP 26	12:00E	9.0	314	H	9															
1978 OCT 31	12:00E	1.0	188	V	5															
1979 MAY 01	12:00E	1.0	281	W	81	150														
1979 MAY 28	12:00E	9.0	583	H	622	103														
1979 JUN 26	12:00E	14.0	536	H	48	112														
1979 JUL 24	12:00E	16.0	610	H	162	103														
1979 AUG 21	12:00E	17.0	332	H	57	115														
1979 SEP 25	12:00E	13.0	203	H	22	139														
1979 OCT 30	12:00E	2.0	109	V	7	202														
1980 APR 03	12:00E		52.5	W	38															
1980 MAY 13	12:00E	13.0	307	H	38	150														
1980 MAY 28	12:00E	7.0	833	H	204															
1980 JUN 06	19:30	13.0	1 870		1 610 K	148	18	24	33	48	59	72	85	94	97	99		28	48	24
1980 JUL 08	12:00E	15.0	545	H	78	158														
1980 AUG 12	12:00E	15.0	384	V	28	188														
1980 SEP 10	12:00E		284	H	17	180														
1980 OCT 15	12:00E	7.0	193	H	11	203														
1981 APR 22	12:00E	7.0	118	H	18	231														
1981 MAY 19	12:00E	13.0	256	H	80	184														
1981 JUN 17	12:00E	13.0	401	H	23	155														
1981 JUL 07	12:00E	14.0	557	H	72	154														
1981 AUG 11	12:00E	17.0	484	H	85	128														
1981 SEP 08	12:00E	14.0	282	H	18	149														
1981 OCT 07	12:00E	5.0	133	H	8	191														
1982 JUN 22	12:00E	15.0	875	H	259	129														
1982 JUL 07	12:00E	18.0	1 460	H	894	133														
1982 JUL 28	12:00E	17.0	569	H	59	145														
1982 SEP 08	12:00E	14.0	492	H	68	134														
1982 SEP 28	12:00E	9.0	368	H	34	161														
1983 JUN 08	12:00E	13.0	384	H	67	153														
1983 JUL 08	12:00E	14.0	580	H	59	133														
1983 AUG 31	12:00E	10.0	242	H	31	148														
1983 SEP 27	12:00E	8.0	155	H	8	148														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

ATUSIS CREEK NEAR REDLAND - STATION NO. 05CE006

LOCATION: LAT 51 19 50 N LONG 113 03 15 W
DRAINAGE AREA: 76.9 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 10	18:00				30	881														

BATTLE RIVER NEAR THE SASKATCHEWAN BOUNDARY - STATION NO. 05FE004

LOCATION: LAT 52 51 23 N LONG 110 01 06 W
DRAINAGE AREA: 25 000 km²
TYPE OF FLOW: REGULATED SINCE 1973
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1980 APR 17	18:25	1.0	43.3		695	K	365	25	34	48	58	66	75	86	95	98	99	100	25	41	34
1980 APR 18	11:10	4.5	38.8		714	K	357	42	49	60	70	78	84	92	97	99	100		15	35	49
1980 APR 22	10:40	8.5	36.2		425	K	394	38	44	57	68	76	81	90	96	99	100		19	37	44
1980 APR 28	12:00E	15.0	27.7	H	286		403														
1980 MAY 01	12:00E	15.0	24.2	H	210		383														
1980 MAY 28	12:00E	15.0	6.46	H	18		458														
1980 JUN 25	12:00E	18.0	5.42	V	17		516														
1980 JUL 23	12:00E	23.0	7.75	H	41		426														
1980 AUG 27	12:00E	15.0	6.58	H	19		462														
1980 SEP 23	12:00E	8.5	9.04	V	31		418														
1980 NOV 04	12:00E	2.0	8.20	V	22		382														
1982 APR 28	12:00E	8.0	16.9	H	284		431														
1982 MAY 06	14:15	6.0	43.5		757	K	358	28	34	48	59	66	73	82	94	96	99		27	39	34
1982 MAY 07	13:10	7.0	46.2		708	K	353	25	33	48	62	71	76	86	95	99	100		24	43	33
1982 MAY 10	15:00	8.0	54.1		1 280	K	356	30	41	58	72	78	81	85	95	99	100		19	40	41
1982 JUN 02	12:00E	16.0	25.7	H	205		350														
1982 JUN 03	12:00E	16.0	23.6	H	186		347														
1982 JUL 07	12:00E	23.0	7.10	H	35		476														
1982 JUL 13	11:50	22.0	28.4		426	K	359	72	80	88	91	93	96	98	100				4	16	80
1982 AUG 18	12:00E	20.0	21.4	H	148		325														
1982 SEP 22	12:00E	13.0	7.51	H	38		420														
1982 NOV 03	12:00E	0.5	7.14	W	48		493														
1983 APR 13	12:00E	3.0	30.9	H	480		458														
1983 APR 20	11:50	11.0	34.8		478	K	383	17	22	35	48	62	77	88	95	98	99		23	55	22
1983 APR 28	12:00E	8.0	33.9	V	433		327														
1983 MAY 10	12:00E	10.0	17.3	H	107		348														
1983 JUN 08	12:00E	18.0	6.48	H	20		491														
1983 JUL 19	14:35	18.0	54.0		387	K	382	24	33	44	57	67	74	80	89	95	97		26	41	33
1983 AUG 03	12:00E	21.0	8.37	V	21		477														
1983 SEP 27	12:00E	10.0	3.70	H	91		553														
1983 NOV 01	12:00E	5.0	2.53	H	7		639														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

BEARBERRY CREEK NEAR SUNDRE - STATION NO. 05CA011

LOCATION: LAT 51 48 25 N LONG 114 42 30 W
DRAINAGE AREA: 227 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1977 APR 06	12:00E			112	150														
1977 MAY 19	12:00E	9.0		85	172														
1977 MAY 30	12:00E	11.0		302	180														
1977 MAY 31	12:00E	10.0		142	182														
1977 JUN 16	12:00E			58	224														

TIME SYMBOL: E - ESTIMATED

BEAVER CREEK NEAR BROCKET - STATION NO. 05AB013

LOCATION: LAT 49 38 21 N LONG 113 47 38 W
DRAINAGE AREA: 256 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 JUN 01	10:00				100	295														
1972 MAR 18	12:00E		2.78	H	882															
1972 MAR 19	12:00E		1.78	H	344															
1972 MAR 24	12:00E		0.988	H	187															
1972 MAY 04	12:00E		0.895	H	42															
1972 MAY 18	12:00E		1.30	H	180															
1972 MAY 19	12:00E		1.25	H	114															
1972 MAY 21	12:00E		1.22	H	102															
1972 MAY 23	12:00E		1.17	H	108															
1972 MAY 25	12:00E		3.00	H	1 480															
1972 MAY 26	12:00E		1.78	H	338															
1972 JUN 09	12:00E		1.03	H	112															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

BEAVER MINES CREEK NEAR BEAVER MINES - STATION NO. 05AA010

LOCATION: LAT 49 28 30 N LONG 114 09 30 W
DRAINAGE AREA: 82.4 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 04	09:15			7	383														
1971 MAY 04	09:18			93	271														

ALBERTA

BEAVER RIVER ABOVE SYNCRUDE - STATION NO. 07DA018

LOCATION: LAT 56 56 29 N LONG 111 33 54 W
DRAINAGE AREA: 185 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1976 APR 05	12:00E	1.0	0.227 W	11															
1976 APR 08	12:00E	1.0	1.08 W	39															
1976 APR 09	12:00E	1.0	1.48 W	48															
1976 APR 12	12:00E	1.0	2.14 V	133															
1976 APR 15	12:00E	1.0	2.12 V	161															
1976 APR 22	12:00E	3.0	1.34 H	46															
1976 APR 28	12:00E	4.0	0.986 H	28															
1976 MAY 28	12:00E		0.300 V	16															
1976 JUL 12	12:00E	20.0	0.422 H	13															
1976 AUG 05	12:00E	20.0	0.382 H	29															
1976 SEP 02	12:00E	12.0	4.73 H	139															
1976 SEP 03	12:00E	12.0	4.16 V	95															
1976 SEP 07	12:00E	11.0	4.47 H	232															
1976 SEP 15	12:00E	10.0	1.75 H	16															
1976 SEP 19	12:00E	8.0	1.08 H	14															
1977 APR 10	12:00E	1.0	0.218 W	15															
1977 APR 13	12:00E	1.0	0.782 W	36															
1977 APR 15	12:00E	1.0	1.57 W	76															
1977 APR 18	12:00E	1.0	2.83 W	198															
1977 APR 20	12:00E	1.0	1.50 W	72															
1977 APR 22	12:00E	0.1	1.30 W	60															
1977 MAY 04	12:00E	6.0	0.739 H	25															
1977 MAY 06	12:00E	6.0	0.691 H	17															
1977 JUN 04	12:00E	10.0	1.59 H	52															
1977 JUN 21	12:00E	14.0	0.654 H	13															
1977 JUL 28	12:00E		0.255 H	9															
1977 AUG 25	12:00E		0.380 H	39															
1977 SEP 22	12:00E	11.0	0.229 H	8															
1977 OCT 18	12:00E	4.0	0.331 H	8															
1979 MAY 02	12:00E	1.0	3.02 W	74	112														
1979 MAY 30	12:00E	9.0	1.67 H	70	157														
1979 JUN 25	12:00E	15.0	0.507 H	12	221														
1979 JUL 25	12:00E	19.0	0.224 H	13	276														
1979 AUG 22	12:00E	20.0	0.260 V	11	254														
1979 SEP 20	12:00E	8.0	1.38 H	17	202														
1979 OCT 18	12:00E	4.0	0.603 V	8	244														
1980 APR 24	12:00E	10.0	0.629 H	18	183														
1980 MAY 25	12:00E	13.0	0.208 H	15	317														
1980 JUN 27	12:00E	18.0	0.076 H	11	307														
1980 JUL 31	12:00E	16.0	0.488 H	13	291														
1980 AUG 27	12:00E	12.0	0.502 V	12	243														
1980 SEP 19	12:00E	8.0	1.32 V	17	221														
1980 OCT 24	12:00E	1.0	0.398 V	7	248														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS

BEAVER RIVER AT COLD LAKE RESERVE - STATION NO. 06AD006

LOCATION: LAT 54 21 15 N LONG 110 13 00 W
DRAINAGE AREA: 14 500 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1974 AUG 14	12:00E	15.0	22.8	H	17															
1974 SEP 24	12:00E	10.0	22.7	V	18															
1975 APR 24	12:00E	1.0	98.3	W	142															
1975 APR 25	12:00E		135	H	398															
1975 APR 28	12:00E		120	H	284															
1975 APR 30	12:00E		124	H	236															
1975 JUL 15	12:00E	20.0	68.2	H	72															
1975 AUG 05	12:00E	18.0	45.0	H	44															
1975 SEP 09	12:00E	13.0	48.7	H	62															
1975 SEP 30	12:00E	11.0	23.0	H	22															
1976 APR 13	12:00E		53.0	H	152															
1976 APR 27	12:00E		33.1	H	33															
1976 MAY 19	12:00E		13.8	H	10															
1976 JUN 18	12:00E		10.8	H	23															
1976 JUL 08	12:00E		52.4	H	107															
1976 AUG 11	12:00E		27.8	V	50															
1976 SEP 15	12:00E		29.7	H	35															
1977 APR 19	12:00E	4.0	45.9	V	109															
1977 MAY 09	12:00E	15.0	21.0	V	22															
1977 JUN 06	12:00E	18.0	40.8	H	78															
1977 JUL 05	12:00E	17.0	8.71	V	16															
1977 AUG 09	12:00E	15.0	28.9	H	40															
1977 SEP 08	12:00E	11.0	10.5	H	11															
1977 OCT 05	12:00E	4.0	24.1	H	14															
1978 APR 27	12:00E	6.0	47.8	H	111															
1978 JUN 03	12:00E	14.0	138	V	295															
1978 JUN 05	12:00E	15.0	168	H	209															
1978 JUN 13	12:00E	16.0	85.8	H	135															
1978 JUN 29	12:00E	21.0	36.5	H	61															
1978 JUL 26	12:00E	21.0	13.8	H	10															
1978 AUG 21	12:00E	15.0	8.28	H	5															
1978 SEP 07	12:00E	14.0	7.84	H	7															
1978 SEP 28	12:00E	8.0	58.6	H	84															
1978 OCT 18	13:00E	5.0	26.6	H	26															
1978 NOV 02	12:00E	2.0	18.1	H	20															
1979 MAY 01	12:00E	1.0	104	H	278	171														
1979 MAY 28	12:00E	2.0	72.5	H	136	188														
1979 JUN 19	12:00E	15.0	64.0	H	123	174														
1979 JUL 24	12:00E	20.0	40.6	H	67	201														
1979 AUG 21	12:00E	20.0	15.2	H	8	207														
1979 SEP 25	12:00E	13.0	20.5	H	15	181														
1979 OCT 30	12:00E	1.0	11.3	H	7	229														
1980 APR 22	12:00E	4.0	39.7	H	102	181														
1980 JUN 03	12:00E	17.0	9.84	H	13	282														
1980 JUL 16	12:00E	21.0	4.29	H	11	285														
1980 AUG 12	12:00E	19.0	39.6	H	101	190														
1980 SEP 24	12:00E	8.0	41.3	H	60	173														
1981 APR 23	12:00E	5.0	25.6	H	43	201														
1981 MAY 13	12:00E	10.0	16.4	H	14	243														
1981 JUN 25	12:00E	16.0	12.7	H	26	250														
1981 JUL 29	12:00E	20.0	21.4	H	30	175														
1981 SEP 10	12:00E	18.0	4.06	H	3	243														
1982 MAY 11	12:00E	7.0	28.1	H	41	146														
1982 AUG 17	12:00E	18.0	8.87	H	17	227														
1982 SEP 23	12:00E	15.0	4.74	H	6	241														
1983 APR 18	12:00E	11.0	14.4	H	42	240														
1983 AUG 22	13:00E	20.0	8.70	V	17	245														
1983 OCT 26	12:00E	3.0	8.00	V	8	247														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS

ALBERTA

BEAVER RIVER NEAR FORT MACKAY - STATION NO. 07DA005

LOCATION: LAT 57 05 00 N LONG 111 38 00 W
DRAINAGE AREA: 454 km²
TYPE OF FLOW: REGULATED SINCE 1975
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1974 OCT 07	12:00E	2.2	0.758	H	14															
1975 APR 20	12:00E	1.0	1.55	W	70															
1975 APR 21	12:00E	1.0	1.84	W	111															
1975 APR 22	12:00E	1.0	2.41	W	71															
1975 APR 24	12:00E	1.0	0.838	H	94															
1975 APR 25	12:00E	2.0	1.84	H	84															
1975 APR 27	12:00E	2.0	2.38	H	36															
1975 MAY 27	12:00E	8.0	3.89	H	32															
1975 JUL 04	12:00E	21.0	5.49	H	84															
1975 AUG 06	12:00E	18.0	2.18	H	31															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN, ICE CONDITIONS

BELLY RIVER NEAR MOUNTAIN VIEW - STATION NO. 05AD005

LOCATION: LAT 49 05 00 N LONG 113 41 48 W
DRAINAGE AREA: 319 km²
TYPE OF FLOW: REGULATED SINCE 1935
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 06	10:20			339	128														
1971 MAY 07	11:00			143	115														
1971 MAY 07	11:01			113	118														
1971 MAY 07	11:02			114	118														
1971 JUN 01	20:35			88	92														
1971 JUN 01	20:36			5	93														

BELLY RIVER NEAR STAND OFF - STATION NO. 05AD002

LOCATION: LAT 49 28 40 N LONG 113 18 10 W
DRAINAGE AREA: 1 210 km²
TYPE OF FLOW: REGULATED SINCE 1935
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1969 JUN 17	10:15				110	154														
1971 MAY 05	09:00				1 190	153														
1971 MAY 05	09:01E				1 250	136														
1971 MAY 05	09:02E				1 240	151														
1971 MAY 07	09:45				1 580	151														
1971 MAY 07	09:46E				2 110	163														
1971 MAY 07	09:47E				1 210	158														
1971 JUN 01	22:30				492	116														
1971 JUN 01	22:31E				547	125														
1971 JUN 05	19:30				552	133														
1971 JUN 05	19:31E				410	108														
1974 JUL 30	12:00E	18.9	2.71	H	53															
1974 AUG 28	12:00E	15.5	5.41	H	14															
1974 SEP 25	12:00E	13.3	2.82	H	4															
1974 NOV 04	12:00E	2.5	1.70	H	5															
1975 FEB 24	12:00E	1.0	1.81	W	10															
1975 MAR 19	12:00E	1.0	2.01	W	15															
1975 APR 17	12:00E	1.0	3.78	W	51															
1975 APR 20	12:00E	1.0	14.2	W	1 880															
1975 APR 22	12:00E	1.0	31.4	H	883															
1975 APR 29	12:00E	2.0	19.8	H	331															
1975 MAY 15	12:00E	5.0	30.8	H	734															
1975 MAY 29	12:00E	10.0	22.3	H	155															
1975 JUN 03	12:00E	10.0	45.3	H	805															
1975 JUN 09	12:00E	8.0	45.0	H	558															
1975 JUN 20	12:00E	9.0	283	H	9 950															
1975 JUN 21	12:00E	9.0	287	H	12 300															
1975 JUN 22	12:00E	10.0	135	H	9 300															
1975 JUN 23	12:00E	10.0	94.0	H	14 700															
1975 JUN 24	12:00E	11.0	74.2	H	1 950															
1975 JUN 25	12:00E	12.0	57.7	H	1 450															
1975 JUL 02	12:00E	14.0	30.0	H	275															
1975 JUL 18	12:00E	17.0	15.8	H	137															
1975 JUL 31	12:00E	14.0	4.50	H	26															
1975 SEP 05	12:00E	12.0	18.4	H	85															
1975 OCT 02	12:00E		12.1	H	17															
1975 OCT 31	12:00E	3.0	4.38	H	20															
1976 APR 26	12:00E	1.0	9.71	H	161															
1976 MAY 31	12:00E	14.0	22.6	H	187															
1976 JUN 23	12:00E	12.0	12.8	H	148															
1976 JUL 28	12:00E	14.0	4.62	H	13															
1976 AUG 31	12:00E	10.0	5.97	H	13															
1976 SEP 14	12:00E	8.0	1.80	H	4															
1976 OCT 14	12:00E	3.0	2.00	H	5															
1977 APR 14	12:00E	10.0	4.87	H	24															
1977 APR 27	12:00E	8.0	2.04	H	21															
1977 MAY 26	12:00E	16.0	2.70	H	8															
1977 JUN 28	12:00E	18.0	2.23	H	18															
1977 JUL 27	12:00E	20.0	1.84	H	18															
1977 AUG 15	12:00E	18.0	2.17	H	10															
1977 AUG 30	12:00E	12.0	1.88	H	150															
1977 SEP 26	12:00E	9.0	1.80	H	4															
1977 OCT 25	12:00E	8.0	2.09	H	13															
1978 APR 05	12:00E	2.0	3.43	H	53															
1978 APR 25	12:00E	8.0	2.84	H	11															
1978 JUN 01	12:00E	9.0	25.8	H	863															
1978 JUN 15	12:00E	11.0	20.1	H	175															
1978 JUN 29	12:00E	18.0	22.1	H	255															
1978 JUL 27	12:00E	22.0	8.01	H	48															
1978 AUG 31	12:00E	18.0	3.45	H	13															
1978 SEP 28	12:00E	12.0	2.78	H	5															
1978 NOV 02	12:00E	5.0	3.43	H	8															
1979 APR 05	12:00E	3.0	4.00	W	52	285														
1979 MAY 01	12:00E	8.0	12.9	H	375	255														
1979 MAY 24	12:00E	14.0	55.0	H	1 650	128														
1979 JUN 06	12:00E	12.0	31.3	H	1 110	101														
1979 JUN 28	12:00E	15.0	3.67	H	12	202														
1979 JUL 26	12:00E	15.0	2.88	H	8	175														
1979 AUG 23	12:00E	16.0	2.53	H	11	167														
1979 SEP 26	12:00E	15.0	1.84	H	8	201														
1979 OCT 31	12:00E	5.0	1.46	H	3	270														
1980 MAR 12	12:00E	0.1	5.36	W	100	239														
1980 APR 10	12:00E	3.0	1.79	H	9	336														
1980 MAY 05	12:00E	15.0	4.54	H	35	208														
1980 JUN 26	12:00E	14.0	4.97	V	49	191														
1980 JUL 10	12:00E	20.0	1.52	V	9	275														
1980 JUL 31	12:00E	15.0	1.46	V	13	238														
1980 AUG 21	12:00E	14.0	2.78	V	13	201														
1980 SEP 04	12:00E	15.0	2.37	V	10	214														
1980 OCT 01	12:00E	12.0	17.8	V	97	154														
1980 OCT 21	12:00E	7.0	2.48	V	8	225														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS

CONTINUED

ALBERTA

BELLY RIVER NEAR STAND OFF - STATION NO. 05AD002 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1980 NOV 05	12:00E	7.0	4.34	H	11	222														
1981 MAR 25	12:00E	8.0	2.43	H	13	203														
1981 APR 23	12:00E	8.0	2.83	H	16															
1981 JUN 25	12:00E	16.0	24.0	H	85	136														
1981 JUL 23	12:00E	20.0	3.30	V	9	182														
1981 AUG 24	12:00E	25.0	2.46	H	8	181														
1981 SEP 24	12:00E		2.09	H	8	216														
1981 NOV 04	12:00E		2.18	H	11	218														
1982 APR 20	12:00E	4.0	3.87	H	64	266														
1982 MAY 10	12:00E	7.0	3.76	H	20	242														
1982 JUN 02	12:00E	12.0	15.7	H	139	171														
1982 JUN 23	12:00E	14.0	40.6	H	466	83														
1982 JUL 21	12:00E	18.0	2.63	H	3	192														
1982 AUG 25	12:00E	14.0	2.26	H	8	189														
1983 APR 27	12:00E	8.0	3.52	H	20	248														
1983 MAY 30	12:00E	10.0	33.8	H	489	113														
1983 JUN 28	12:00E	17.0	2.33	H	6	187														
1983 JUL 26	12:00E	18.0	2.72	H	14	176														
1983 AUG 23	12:00E	17.0	1.08	H	8	217														
1983 SEP 26	12:00E	11.0	0.936	H	6	274														
1983 NOV 01	12:00E	8.0	1.09	H	2	271														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE

BIG POINT CHANNEL BELOW DIVERGENCE - STATION NO. 07DD005

LOCATION: LAT 58 28 56 N LONG 110 48 15 W
DRAINAGE AREA: km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 08	12:00E	11.5		822																
1971 JUN 02	12:00E	18.5		90																
1971 JUN 17	10:20	17.0	895	1 380	K		22	28	47	70	87	97	99	100				3	69	28
1971 JUL 07	17:40	17.0	899	892	K		19	25	37	51	67	83	98	100				17	58	25
1971 JUL 19	15:00	18.0	1 040	1 130	R		20	28	38	50	64	80	92	98	100			20	52	28
1971 AUG 05	12:00E	22.0		258																
1971 AUG 18	12:00E	19.0		142																
1971 SEP 01	12:00E			85																
1971 SEP 30	12:00E			41																
1971 OCT 22	12:00E			24																
1971 DEC 21	12:00E			3																
1972 APR 13	17:15	0.0		7		231														
1972 JUL 07	10:40	15.0	818	821	K		31	37	48	62	73	85	98	100				14	49	37
1972 JUL 18	12:00E	17.0		188																
1972 AUG 09	12:00E	19.0		90																
1972 AUG 24	12:00E	20.5		138																
1973 JUN 07	10:00	13.0		577	R		22	27	40	57	75	89	98	100				11	62	27
1973 JUN 26	17:35	15.5		898	K		22	30	42	57	73	89	98	100				11	59	30
1973 AUG 14	16:20	20.5		430	K		11	16	26	44	63	83	95	99	100			17	67	16
1974 JUN 27	12:00E			428																
1974 JUL 11	12:00E			157																
1974 JUL 30	12:00E			189																
1974 AUG 19	12:00E			71																
1974 SEP 06	12:00E			48																
1974 SEP 18	12:00E			57																
1974 SEP 30	12:00E			37																
1974 OCT 17	12:00E			30																
1975 MAY 28	12:00E	10.0		154																
1975 JUN 10	12:00E	17.0		111																
1975 JUN 24	12:00E	22.0		93																
1975 JUL 08	12:35	20.0		1 010	K		14	23	37	52	72	88	96	99	100			12	65	23
1975 JUL 21	12:00E	19.0		521																
1975 AUG 05	12:00E			115																
1975 AUG 20	12:00E	17.0		66																
1975 SEP 02	12:00E			247																
1975 SEP 16	12:00E	9.0		148																
1975 SEP 30	12:00E	10.0		49																
1975 OCT 16	12:00E	4.0		55																
1976 MAY 12	12:00E	10.0		68																
1976 MAY 27	12:00E	18.0		42																
1976 JUN 08	12:00E	18.0		48																
1976 JUN 21	12:00E	14.0		53																
1976 JUL 05	12:00E	18.0		323																
1976 JUL 19	12:00E	18.0		242																
1976 AUG 03	12:00E	18.0		89																
1976 AUG 18	12:00E	22.0		186																
1976 AUG 30	12:00E	15.0		626																
1976 SEP 13	12:00E	11.0		193																
1976 SEP 27	12:00E	14.0		79																
1976 OCT 15	12:00E	1.0		82																
1977 MAY 20	12:00E	14.0		626																
1977 JUN 13	12:00E	16.0		480																
1977 JUN 28	12:00E	16.0		182																
1977 JUL 12	12:00E	19.0		130																
1977 JUL 25	12:00E	20.0		261																
1977 AUG 09	12:00E	15.0		279																
1977 AUG 24	12:00E	15.0		83																
1977 SEP 12	12:00E	12.0		82																
1977 SEP 16	12:00E	11.0		52																
1977 OCT 04	12:00E	8.0		40																
1978 JUN 12	12:00E	15.0		245																
1978 JUL 10	12:00E	19.0		122																
1978 JUL 24	12:00E	19.0		340																
1978 AUG 10	12:00E	19.0		110																
1978 AUG 21	12:00E	15.0		77																
1978 SEP 12	12:00E	11.0		588																
1978 SEP 18	12:00E	10.0		513																
1978 OCT 06	12:00E	7.0		237																
1978 JUN 27	12:00E	13.0		344		158														
1978 JUL 11	14:35	21.0		394	K	189	27	34	56	73	87	94	98	99	100			6	60	34
1978 JUL 25	12:00E	21.0		276		182														
1978 AUG 08	12:00E	17.0		105		183														
1978 AUG 22	12:00E	18.0		88		178														
1978 SEP 05	12:00E	15.0		44		173														
1978 SEP 18	12:00E	12.0		85		170														
1978 OCT 03	12:00E	9.0		41		180														
1980 JUN 04	12:00E			249		182														
1980 JUN 12	11:00	16.0		2 880	K	181	25	34	48	61	75	90	97	99	100			10	58	34
1980 JUL 02	13:02	18.0		626	K	180	13	18	29	45	62	84	98	100				16	69	15
1980 JUL 16	12:00E	20.0		318		207														

TIME SYMBOL: E - ESTIMATED

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL R - SAMPLES COLLECTED IN SEVERAL VERTICALS

CONTINUED

BIG POINT CHANNEL BELOW DIVERGENCE - STATION NO. 07DD005 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1980 AUG 15	10:45	17.0		509 K	170	15	28	37	53	70	83	93	98	100			17	57	26
1980 AUG 26	12:00E	14.0		150	182														
1980 SEP 05	12:00E	13.0		83	184														
1980 SEP 23	12:00E	7.0		100	203														
1980 OCT 07	12:00E	9.0		89	171														
1981 JUN 17	12:00E	17.0		112	154														
1981 JUL 14	12:00E	18.0		87	180														
1981 JUL 30	12:00E	21.0		169	149														
1981 AUG 12	12:00E	22.0		128	154														
1981 OCT 02	12:00E	7.0		12	183														

TIME SYMBOL: E - ESTIMATED

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

BIG POINT CHANNEL BELOW DIVERGENCE - STATION NO. 07DD005

BED MATERIAL PARTICLE-SIZE ANALYSIS

DATE	TIME	INSTANT. DISCHARGE (m³/s)	NUMBER OF SAMPLING POINTS	TYPE OF SAMPLER	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	4.00	8.00	16.00	32.00	64.00
1973 JUN 07	10:20		7	BM54	14	19	25	36	79	95	100								
1973 OCT 03	17:10		7	BM54	10	17	26	36	80	99	100								
1974 AUG 19	14:30		7	BMH60	15	22	29	37	76	99	100								
1976 AUG 05	14:50		5	BMH60			4	16	87	97									
1977 JUL 12	14:10		5	BMH60			1	14	82	95	99	100							
1978 AUG 10	16:37		5	BMH60	7	10	13	23	78	98	100								
1980 AUG 26	12:00E		4	BMH60				7	68	98	100								

TIME SYMBOL: E - ESTIMATED

BIRCH RIVER BELOW ALICE CREEK - STATION NO. 07KE001

LOCATION: LAT 58 18 40 N LONG 113 04 05 W
DRAINAGE AREA: 9 850 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1970 MAY 14	12:00E	11.1	58.1	H	136		166															
1970 JUN 22	12:00E	19.4	20.5	H	26		267															
1971 MAY 20	12:00E	14.5	15.6	H	36		291															
1971 JUL 15	12:00E	18.5	22.7	H	38	R	152	R														
1971 AUG 02	12:00E	23.5	7.11	H	22		289															
1971 SEP 14	12:00E	13.0	26.9	H	45	R	157	R														
1972 MAY 25	12:00E	15.5	127	H	131																	
1972 JUN 28	12:00E	20.0	21.2	V	34																	
1972 JUL 25	12:00E	19.5	28.1	H	44																	
1972 AUG 28	12:00E	18.5	4.83	H	8																	
1973 MAY 17	12:00E	14.5	59.7	H	127																	
1973 JUL 12	15:30	15.5	182		1 430	K			27	33	48	68	84	98	100					2	65	33
1973 OCT 16	12:00E		43.9	H	37																	
1974 JUN 11	12:00E	18.7	84.7	H	70																	
1974 JUL 04	12:00E		44.5	H	67																	
1974 AUG 20	12:00E	13.9	34.0	H	244																	
1974 OCT 04	12:00E	0.5	19.9	H	48																	
1975 MAY 01	12:00E	1.0	142	V	480																	
1975 MAY 28	12:00E	9.0	160	H	1 480																	
1975 JUN 23	12:00E	18.0	204	H	302																	
1975 JUL 21	12:00E	19.0	44.7	V	88																	
1975 AUG 25	12:00E	11.0	155	H	5 320																	
1975 SEP 04	12:00E	13.0	297	H	523																	
1975 SEP 08	12:00E	12.0	300	H	356																	
1976 APR 14	12:00E		153	W	343																	
1976 APR 18	12:00E	3.0	201	H	537																	
1976 MAY 27	12:00E		30.0	V	40																	
1976 JUL 06	12:00E	21.0	54.1	H	63																	
1976 AUG 05	12:00E	20.0	57.8	H	84																	
1976 SEP 14	12:00E		12.9	H	17																	
1976 NOV 03	12:00E	1.0	22.4	W	14																	
1977 APR 12	12:00E	0.1	5.24	W	45																	
1977 APR 17	12:00E	1.0	20.4	W	385																	
1977 APR 23	12:00E	4.0	53.5	H	275																	
1977 MAY 03	12:00E	10.0	34.3	H	127																	
1977 JUN 01	12:00E	13.0	29.7	H	63																	
1977 JUN 29	12:00E	16.0	15.4	H	24																	
1977 JUL 27	13:00E	19.0	70.5	H	117																	
1977 AUG 26	12:00E	11.0	15.0	H	22																	
1977 SEP 20	12:00E	11.0	14.0	H	14																	
1977 OCT 18	12:00E	4.0	27.0	H	39																	
1978 APR 25	12:00E		6.16	W	38																	
1978 APR 28	12:00E	1.0	82.4	V	1 300																	
1978 MAY 31	12:00E	14.0	58.6	H	130																	
1978 JUN 28	12:00E	19.0	29.7	H	49																	
1978 JUL 26	12:00E	18.0	8.44	V	20																	
1978 AUG 23	12:00E	14.0	12.0	H	21																	
1978 SEP 20	12:00E		108	H	113																	
1978 MAY 15	15:20	8.0	232		835	K	125		17	22	37	55	71	85	95	99	100			15	63	22
1978 MAY 31	12:00E	11.0	136	H	212		195															
1978 JUN 26	12:00E	18.0	58.5	H	148		230															
1978 JUL 27	12:00E	23.0	7.34	V	20		364															
1978 AUG 22	12:00E	17.0	15.1	H	121		283															
1978 SEP 18	12:00E	10.0	53.7	H	103		200															
1978 OCT 17	12:00E	5.0	19.5	H	24		324															
1980 APR 23	12:00E	7.0	42.5	V	255		184															
1980 MAY 23	12:00E	14.0	5.08	V	12		276															
1980 JUN 24	12:00E	24.0	5.82	H	17		251															
1980 JUL 31	12:00E	19.0	67.0	H	151		500															
1980 AUG 25	12:00E	13.0	57.5	H	124		183															
1980 SEP 18	12:00E	9.0	17.6	H	42		258															
1980 OCT 25	12:00E	2.0	12.8	H	17		316															
1981 MAY 26	12:00E	18.0	32.6	V	81		228															
1981 JUL 14	12:00E	21.0	15.0	V	34		278															
1981 AUG 27	12:00E	25.0	2.16	V	5		338															
1982 MAY 24	12:00E		128		423	K	221	K	20	31	44	61	80	90	96	99	99	100		10	59	31
1982 JUN 24	12:00E		9.09	H	16	K	261	K														
1982 AUG 10	12:00E	19.0	8.81	H	78	K	249	K														
1982 SEP 14	12:00E	9.0	13.3	H	146	K	288	K														
1983 APR 30	12:40	4.0	157	H	178	K	178		19	23	39	54	70	81	89	98	98	99	100	19	58	23
1983 JUN 19	12:00E	20.0	16.0	H	285		347															
1983 AUG 04	12:00E	20.0	125	H	158		227															
1983 SEP 15	12:00E	7.0	15.6	H	31		267															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL R - SAMPLES COLLECTED IN SEVERAL VERTICALS

DISSOLVED SOLIDS SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL R - SAMPLES COLLECTED IN SEVERAL VERTICALS

BIRCH RIVER BELOW ALICE CREEK - STATION NO. 07KE001

BED MATERIAL PARTICLE-SIZE ANALYSIS

DATE	TIME	INSTANT. DISCHARGE (m^3/s)	NUMBER OF SAMPLING POINTS	TYPE OF SAMPLER	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	4.00	8.00	16.00	32.00	64.00
1971 JUL 16	17:45	22.7 H	7	BMH60					22	28	31	78	94	98	97	97	100		

DISCHARGE SYMBOL(S): H - DAILY MEAN

BLINDMAN RIVER NEAR BLUFFTON - STATION NO. 05CC005

LOCATION: LAT 52 45 22 N LONG 114 17 03 W
DRAINAGE AREA: 352 km^2
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP.	INSTANT. DISCHARGE	INSTANT. CONCENT.	DISSOLVED SOLIDS	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 22	11:15			12	170														
1971 MAY 22	11:18E			10	170														
1971 JUN 09	11:15			46	201														
1971 JUN 12	13:00			51	186														
1971 JUN 12	13:01E			51	182														
1971 JUN 15	11:00			27	186														
1971 JUN 26	18:30			16	184														
1971 JUN 27	12:30			8	172														

TIME SYMBOL: E - ESTIMATED

BLOOD INDIAN CREEK NEAR THE MOUTH - STATION NO. 05CK001

LOCATION: LAT 50 57 26 N LONG 111 03 30 W
DRAINAGE AREA: 885 km^2
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

1976 AUG 16 19:00 21.0 3

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 10	12:30			10	220														

BOW RIVER AT BANFF - STATION NO. 05BB001

LOCATION: LAT 51 10 30 N LONG 115 34 10 W
DRAINAGE AREA: 2 210 km^2
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 12	15:30			31	46														
1971 MAY 22	13:15			11	43														
1971 JUN 02	15:15			91	113														
1971 JUN 02	15:16			95	106														
1971 JUN 02	15:17			138	118														

BOW RIVER AT CALGARY - STATION NO. 05BH004

LOCATION: LAT 51 03 00 N LONG 114 03 00 W
DRAINAGE AREA: 7 880 km²
TYPE OF FLOW: REGULATED SINCE 1913
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1978 JAN 09	12:00E	0.1	51.3	W	7	188														
1978 JAN 26	12:00E	0.1	66.8	W	3	198														
1978 MAR 09	12:00E	0.1	73.9	W	5	189														
1978 MAR 22	12:00E	1.0	76.9	W	19															
1978 APR 11	12:00E	1.0	80.3	W	20															
1978 APR 27	12:00E	7.0	66.0	H	2															
1978 MAY 31	12:00E	12.0	124	H	6															
1982 APR 28	12:00E	1.0	77.3	H	17 K	202 K														
1982 JUN 07	12:00E	8.0	130	H	11 K	118 K														
1982 AUG 03	12:00E	15.5	124	H	4 K	136 K														
1982 SEP 02	12:00E	13.0	72.7	H	1 K	147 K														
1982 NOV 03	12:00E	4.0	84.3	H	3 K	171 K														
1983 MAY 11	12:00E	8.0	74.8	H	4	153														
1983 JUN 01	12:00E	13.0	180	H	11	178														
1983 JUL 22	12:00E	14.0	101	H	2	149														
1983 AUG 23	12:00E	18.0	103	H	5	151														
1983 SEP 28	12:00E	8.0	59.2	H	3	187														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN, ICE CONDITIONS
CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL
DISSOLVED SOLIDS SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

BOW RIVER AT LAKE LOUISE - STATION NO. 05BA001

LOCATION: LAT 51 25 42 N LONG 116 11 15 W
DRAINAGE AREA: 421 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 12	15:20			16	81														

BOW RIVER BELOW BASSANO DAM - STATION NO. 05BM004

LOCATION: LAT 50 45 00 N LONG 112 32 20 W
DRAINAGE AREA: 20 300 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 MAY 09	12:00E	12.0	187	V	102															
1975 MAY 30	12:00E	14.0	87.2	H	12															
1975 JUL 02	12:00E	18.0	136	H	46															
1975 JUL 28	12:00E	20.0	26.2	H	8															
1975 AUG 26	12:00E	13.0	44.5	H	8															
1975 SEP 29	12:00E	12.0	49.0	H	9															
1975 NOV 04	12:00E	10.0	59.5	V	22															
1976 APR 23	12:00E	8.0	64.4	V	10															
1976 MAY 18	12:00E	12.0	177	H	31															
1976 JUN 07	12:00E	13.0	45.6	H	5															
1976 JUL 07	12:00E	12.0	104	H	12															
1976 JUL 13	12:00E	13.0	154	H	23															
1976 AUG 10	12:00E	17.0	269	V	134															
1976 AUG 18	12:00E	13.0	157	V	32															
1976 AUG 24	12:00E	14.0	98.8	H	18															
1976 AUG 31	12:00E		84.8	H	9															
1976 SEP 02	12:00E	13.0	81.8	H	11															
1976 SEP 14	12:00E	15.0	84.1	H	10															
1976 SEP 15	12:00E	13.0	111	H	10															
1976 OCT 14	12:00E	12.0	6.51	H	20															
1976 OCT 19	12:00E	11.0	34.3	H	27															
1977 APR 29	12:00E	12.0	2.87	H	14															
1977 MAY 04	12:00E	13.0	3.73	H	10															
1977 MAY 09	12:00E	15.0	3.57	H	8															
1977 MAY 27	12:00E	16.0	43.9	H	11															
1977 JUN 16	12:00E	14.0	58.3	H	15															
1977 JUN 23	12:00E	16.0	30.3	H	8															
1977 JUL 12	12:00E	17.0	5.86	H	3															
1977 AUG 22	12:00E	13.0	57.2	H	15															
1977 SEP 28	12:00E	10.0	19.1	H	8															
1977 NOV 04	12:00E	5.0	41.6	V	10															
1978 MAY 01	12:00E		153	V	52															
1978 JUN 13	12:00E	15.0	343	H	174															
1978 JUN 30	12:00E		172	H	30															
1978 JUL 16	12:00E		126	H	15															
1978 AUG 08	12:00E	17.0	33.1	H	6															
1978 AUG 22	12:00E		83.8	H	13															
1978 AUG 28	12:00E	15.0	83.1	H	16															
1978 SEP 21	12:00E	12.0	91.7	H	14															
1978 OCT 12	12:00E		57.8	H	11															
1978 OCT 31	12:00E	8.0	73.9	V	29															
1979 APR 20	12:00E	3.0	112	V	73	245														
1979 MAY 14	12:00E	3.0	78.5	H	15	244														
1979 MAY 22	12:00E	5.0	126	H	16	216														
1979 JUN 18	12:00E	14.0	55.6	H	8	183														
1979 JUL 04	12:00E	12.0	64.6	H	9	183														
1979 JUL 23	12:00E	15.0	8.14	H	4	168														
1979 AUG 20	12:00E	17.0	22.2	H	2	189														
1979 SEP 10	12:00E	12.0	13.4	H	5	184														
1979 OCT 01	12:00E	8.0	8.58	H	8	205														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE Y - DAILY MEAN, ESTIMATED

BOYER RIVER NEAR FORT VERMILION - STATION NO. 07JF002

LOCATION: LAT 58 25 42 N LONG 116 15 10 W
DRAINAGE AREA: 5 550 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1974 SEP 17	12:00E	11.1	0.379	H	9															
1974 OCT 31	12:00E		0.317	H	10															
1975 APR 18	12:00E	1.0	3.06	W	77															
1975 APR 22	12:00E	1.0	11.8	W	34															
1975 APR 24	12:00E	1.0	15.7	W	58															
1975 APR 26	12:00E	1.0	21.8	H	84															
1975 APR 28	12:00E	1.0	27.1	H	108															
1975 MAY 01	12:00E	1.0	34.5	H	162															
1975 MAY 08	12:00E	1.0	16.1	H	31															
1975 JUN 05	12:00E	14.0	3.43	H	10															
1975 AUG 07	12:00E	19.0	0.362	H	6															
1975 SEP 11	12:00E	9.0	0.159	H	6															
1975 OCT 06	12:00E	5.0	0.221	H	6															
1975 OCT 29	12:00E	1.0	0.498	V	12															
1976 APR 21	12:00E	3.0	36.0	H	136															
1976 MAY 28	12:00E	16.0	4.95	H	11															
1976 JUN 23	12:00E	16.0	4.59	H	9															
1976 JUL 28	12:00E	17.0	2.70	H	15															
1976 AUG 25	12:00E	13.0	11.8	H	22															
1976 SEP 29	12:00E	11.0	1.97	H	11															
1977 APR 20	12:00E	1.0	15.4	W	33															
1977 APR 28	12:00E	4.0	11.6	H	49															
1977 JUN 02	12:00E	17.0	7.53	H	15															
1977 JUN 23	12:00E	21.0	29.2	H	42															
1977 JUL 27	12:00E	22.0	3.26	H	15															
1977 SEP 08	12:00E	11.0	0.006	H	4															
1977 OCT 06	12:00E	1.0	0.006	H	4															
1977 OCT 25	12:00E	2.0	0.045	V	10															
1978 MAY 09	12:00E	9.0	12.5	H	45															
1978 MAY 25	12:00E	12.0	8.00	H	24															
1978 JUN 07	12:00E	19.0	13.1	H	31															
1978 JUL 06	12:00E	21.0	1.15	H	27															
1978 OCT 04	12:00E	10.0	5.00	H	18															
1978 OCT 26	12:00E	1.0	3.95	V	22															
1979 JUL 25	12:00E	18.0	3.84	H	31	549														
1979 AUG 15	12:00E	21.0	0.388	H	4	824														
1979 SEP 27	12:00E	8.0	0.156	H	5	934														
1979 NOV 01	12:00E	1.0	0.449	V	5	795														
1980 JUN 05	12:00E		0.380	H	15	559														
1981 MAY 27	12:00E	20.0	3.27	H	13	450														
1981 JUN 30	12:00E	22.0	0.033	H	12	562														
1982 MAY 02	12:00E	2.0	2.48	V	33	421														
1982 MAY 04	12:00E		3.83	H	95	489														
1982 MAY 20	12:00E		1.80	H	23	602														
1983 MAY 05	12:00E	3.0	6.28	H	36	395														
1983 JUN 02	12:00E	17.0	1.66	H	11	488														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE W - DAILY MEAN, ICE CONDITIONS

BRIDLEBIT CREEK NEAR VALLEYVIEW - STATION NO. 07GF005

LOCATION: LAT 54 56 10 N LONG 117 44 02 W
DRAINAGE AREA: 19.7 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 MAY 29	12:00E	13.0	0.024	H	7																	
1975 JUN 18	12:00E	14.0	0.002	H	10																	
1975 JUL 09	12:00E	19.0	0.007	H	6																	
1978 APR 27	12:00E	0.1	0.478	H	85																	
1978 AUG 16	12:00E		0.001	H	11																	
1978 AUG 30	12:00E		0.001	H	10																	
1978 SEP 18	12:00E	2.0	0.153	H	11																	
1978 OCT 03	12:00E		0.034	H	4																	
1978 OCT 18	12:00E	4.0	0.028	H	6																	
1979 MAY 01	12:00E	2.0	1.34	H	14		96															
1979 MAY 02	12:00E	2.0	1.00	H	14																	
1979 MAY 03	12:00E	0.1	0.778	H	12																	
1979 MAY 07	12:00E	4.0	0.546	H	10		103															
1979 MAY 14	12:00E	8.0	0.306	H	12		126															
1979 MAY 17	12:00E	7.0	2.33	H	18		148															
1979 MAY 18	12:00E		1.51	H	40																	
1979 JUN 06	12:00E		0.186	H	16		171															
1979 JUL 05	12:00E	21.0	0.118	H	9		173															
1979 JUL 20	12:00E		0.037	H	10		156															
1979 AUG 08	12:00E		0.002	H	23		173															
1979 AUG 29	12:00E	15.0	0.001	H	17		186															
1980 OCT 08	12:00E		0.003	H	51																	
1980 NOV 05	12:00E	1.0	0.004	H	8																	
1980 NOV 12	12:00E	0.1	0.004	W	7																	
1981 MAR 27	12:00E	2.0	0.006	W	18		280															
1981 MAR 30	12:00E	2.0	0.011	W	15																	
1981 APR 01	12:00E	0.1	0.029	W	14																	
1981 APR 03	12:00E	1.0	0.080	W	9		278															
1981 APR 06	12:00E	0.1	0.120	W	7																	
1981 APR 08	12:00E	1.0	0.176	W	5																	
1981 APR 10	12:00E	0.1	0.225	W	5		177															
1981 APR 15	12:00E	0.1	0.095	W	17		186															
1981 APR 21	12:00E	0.1	1.03	H	48																	
1981 APR 23	12:00E	0.1	0.727	H	62		137															
1981 APR 29	12:00E	7.0	0.268	H	17		161															
1981 MAY 11	12:00E	13.5	0.020	H	7		150															
1981 MAY 25	12:00E	18.0	0.020	H	8		177															
1981 MAY 27	12:00E	16.5	0.026	H	10																	
1981 JUN 08	12:00E	13.0	0.028	H	7		187															
1981 JUN 22	12:00E	12.5	0	H	6	K	208	K														
1981 JUL 23	12:00E	15.5	0.001	H	107		210															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS
CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL
DISSOLVED SOLIDS SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

BULLPOUND CREEK NEAR HANNA - STATION NO. 05CG002

LOCATION: LAT 51 39 00 N LONG 112 00 30 W
DRAINAGE AREA: 209 km²
TYPE OF FLOW: REGULATED SINCE 1978
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 10	16:00			12	845														

CACHE PERCOTTE CREEK NEAR HINTON - STATION NO. 07AD003

LOCATION: LAT 53 24 08 N LONG 117 30 27 W
DRAINAGE AREA: 7.15 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1974 JUL 04	12:00E	7.8	0.004 V	4															
1974 JUL 17	12:00E	11.1	0.021 V	8															
1974 JUL 22	12:00E	12.2	0.010 V	11															
1974 JUL 24	12:00E	9.4	0.004 V	9															
1974 JUL 31	12:00E	8.9		2															
1974 AUG 08	12:00E	8.9	0.004 V	13															
1974 AUG 12	12:00E	8.9	0.021 V	7															
1974 AUG 15	12:00E	7.2		2															
1974 AUG 17	12:00E	7.2	0.014 V	12															
1974 AUG 21	12:00E	8.4	0.021 V	2															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): V - DAILY MEAN, MANUAL GAUGE

CARDINAL RIVER NEAR THE MOUTH - STATION NO. 05DD006

LOCATION: LAT 52 52 04 N LONG 118 35 43 W
DRAINAGE AREA: 495 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 14	14:00			32	185														
1971 JUN 15	14:30			52	179														
1971 JUN 15	14:31E			51	124														

TIME SYMBOL: E - ESTIMATED

CASTLE RIVER AT RANGER STATION - STATION NO. 05AA026

LOCATION: LAT 49 23 55 N LONG 114 20 20 W
DRAINAGE AREA: 376 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 05	11:30				84	112														
1971 MAY 05	11:31E				84	108														
1971 MAY 05	11:32E				78	108														
1971 MAY 06	13:45				110	103														
1971 MAY 06	13:46E				87	90														
1971 MAY 06	13:47E				103	106														
1971 MAY 07	13:00				29	110														
1971 MAY 07	13:01E				35	107														
1971 MAY 07	13:02E				33	105														
1971 MAY 23	19:00				16	101														
1971 MAY 23	19:01E				13	101														
1971 MAY 23	19:02E				19	100														
1971 JUN 01	16:30				26	89														
1971 JUN 01	16:31E				19	91														
1971 JUN 01	16:32E				24	77														
1971 JUN 05	16:15				26	89														
1971 JUN 05	16:16E				27	83														
1972 MAY 04	12:00E		16.1	H	18															
1972 MAY 18	12:00E		51.4	H	59															
1972 MAY 19	12:00E		56.9	H	100															
1972 MAY 21	12:00E		59.7	H	46															
1972 MAY 22	12:00E		64.0	H	44															
1972 MAY 23	12:00E		60.0	H	27															
1972 JUN 01	12:00E		109	H	943															
1972 JUN 02	12:00E		99.4	H	451															
1972 JUN 03	12:00E		84.4	H	355															
1972 JUN 08	12:00E		60.7	H	104															
1972 JUN 09	12:00E		72.8	H	82															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

CASTLE RIVER NEAR BEAVER MINES - STATION NO. 05AA022

LOCATION: LAT 49 29 20 N LONG 114 09 40 W
DRAINAGE AREA: 826 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 07	14:00		77.0	H	85	137														
1971 MAY 07	14:01E		77.0	H	89	134														
1971 MAY 07	14:02E		77.0	H	75	131														
1971 MAY 23	18:00		80.3	H	40	128														
1971 MAY 23	18:01E		80.3	H	48	123														
1971 MAY 23	18:02E		80.3	H	54	121														
1971 JUN 01	17:45		83.0	H	130	98														
1971 JUN 01	17:45E		83.0	H	49	100														
1971 JUN 01	17:45E		83.0	H	84	118														
1971 JUN 05	15:45		80.1	H	82	103	05	10	21	38	50	59	73	92	99	100		41	49	10
1972 MAR 19	12:00E		15.4	W	84															
1972 MAR 24	12:00E		15.8	H	10															
1972 MAY 04	12:00E		38.4	H	33															
1972 MAY 18	12:00E		118	H	138															
1972 MAY 21	12:00E		113	H	85															
1972 MAY 22	12:00E		122	H	115															
1972 MAY 23	12:00E		113	H	78															
1972 JUN 01	12:00E		201	V	363															
1972 JUN 02	12:00E		178	H	208															
1972 JUN 03	12:00E		146	H	156															
1972 JUN 06	12:00E		133	H	266															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE W - DAILY MEAN, ICE CONDITIONS

CATARACT CREEK NEAR FORESTRY ROAD - STATION NO. 05BL022

LOCATION: LAT 50 17 04 N LONG 114 35 25 W
DRAINAGE AREA: 186 km^2
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 08	12:00				10	81														
1971 MAY 08	12:01E				13	93														
1971 MAY 13	13:30				59	90														
1971 MAY 13	13:31E				58	91														
1971 MAY 23	13:00				20	84														
1971 MAY 23	13:01E				15	115														
1971 JUN 02	18:05				37	88														
1971 JUN 02	18:05E				31	96														
1971 JUN 06	13:30				172	93														
1971 JUN 06	13:31E				136	92														
1971 JUN 07	17:45				78	96														
1971 JUN 07	17:45E				80	101														
1972 MAY 17	12:00E		9.48	H	50															
1972 MAY 18	12:00E		8.07	H	59															
1972 MAY 21	12:00E		10.8	H	156															
1972 MAY 22	12:00E		13.3	H	57															
1972 MAY 31	12:00E		34.3	H	286															
1972 JUN 01	12:00E		33.4	H	233															
1972 JUN 02	12:00E		29.2	H	100															
1972 JUN 03	12:00E		24.1	H	82															
1972 JUN 08	12:00E		27.0	H	71															
1972 JUN 08	12:00E		25.4	H	81															
1972 JUN 11	12:00E		30.3	H	111															
1976 MAY 13	12:00E		10.1	H	28															
1976 AUG 04	12:00E		1.27	H	1															
1976 AUG 05	12:00E		19.8	H	1															
1977 MAY 10	12:00E	4.0	2.84	H	11															
1977 MAY 16	12:00E	4.0	2.53	H	4															
1977 MAY 24	12:00E	5.0	4.38	H	20															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

CHENAL DES QUATRE FOURCHES BELOW FOUR FORKS - STATION NO. 07KF005

LOCATION: LAT 58 39 05 N LONG 111 17 50 W
DRAINAGE AREA: km²
TYPE OF FLOW: REGULATED SINCE 1967
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 JUN 03	12:00E	21.0		22																
1971 JUN 08	12:00E	14.5		130																
1971 JUN 09	12:00E			117																
1971 JUN 10	12:00E			30																
1971 JUN 11	12:00E	17.0		14																
1971 JUN 14	12:00E	18.0		212																
1971 JUN 15	12:00E			271																
1971 JUN 18	12:00E	18.5		49																
1971 JUN 18	12:00E			88																
1971 JUN 21	12:00E	18.0		334																
1971 JUN 23	14:00		453	1 580	K		23	30	48	71	92	98	100					2	98	30
1971 JUN 25	12:00E	18.0		888																
1971 JUN 28	11:15		181	2 200	K		85	77	85	98	100							0	23	77
1971 JUN 30	12:00E			1 180																
1971 JUL 02	12:00E			729																
1971 JUL 05	12:00E			837																
1971 JUL 07	12:00E	18.0		1 200																
1971 JUL 12	12:00E			166																
1971 JUL 14	12:00E			347																
1971 JUL 16	12:00E			1 040																
1971 JUL 19	15:40		402	2 230	K		33	44	62	83	97	99	100					1	55	44
1971 JUL 21	14:15		300	2 580	K		45	56	77	93	98	100						0	44	56
1971 JUL 26	12:00E			94																
1971 JUL 28	12:00E			188																
1971 JUL 30	12:00E			52																
1971 AUG 03	12:00E			68																
1971 AUG 11	12:00E			78																
1971 AUG 18	15:00	18.5	282	309	K		8	12	23	46	77	89	94	98	100			11	77	12
1971 AUG 18	12:00E			87																
1971 AUG 20	12:00E			230																
1971 AUG 23	12:00		223	242	K		28	42	60	80	92	98	100					2	58	42
1971 SEP 03	12:00E			154																
1971 SEP 09	12:00E	13.5		186																
1971 SEP 18	15:40	10.0	221	544	K		50	62	84	97	98	100						0	38	62
1971 SEP 21	12:00	8.5	204	334	R		48	62	83	93	97	99	100					1	37	62
1971 SEP 24	12:00E			487																
1971 SEP 27	12:00E			393																
1971 SEP 29	12:00	3.0	161	1 300	K		33	45	63	81	92	98	100					2	53	45
1971 OCT 12	15:45		136	1 810	K		25	35	51	71	96	100						0	65	35
1971 OCT 16	12:00E			886																
1972 JUN 15	12:00E			78																
1972 JUN 28	12:30		371	832	R		30	38	56	78	97	99	100					1	61	38
1972 JUN 30	12:00E			838																
1972 JUL 11	12:00E	14.5		144																
1972 JUL 13	12:00E	16.5		88																
1972 JUL 14	12:00E			83																
1972 JUL 17	12:00E			80																
1972 JUL 20	11:30	15.5	289	920	K		48	62	83	98	100							0	38	62
1972 JUL 24	12:00E	18.0		185																
1972 JUL 28	12:00E			21																
1972 JUL 31	12:00E			80																
1972 AUG 01	12:00E			35																
1972 AUG 03	12:00E	14.5		124																
1972 AUG 11	12:00E	15.5		30																
1972 AUG 15	12:00E			10																
1972 AUG 21	12:00E	20.0		9																
1973 JUN 11	15:45	15.0		284	K		66	79	97	100								0	21	79
1973 JUN 28	10:15	15.5		561	K		52	63	87	98	100							0	37	63
1974 JUN 18	12:00E			224																
1974 JUL 06	12:00E			84																
1974 JUL 08	12:00E			47																
1974 JUL 28	12:00E			166																
1974 AUG 07	12:00E			74																
1974 AUG 22	12:00E			198																
1974 NOV 01	12:00E			240																
1975 MAY 07	12:00E	3.0		585																
1975 JUN 05	12:00E	13.0		226																
1975 JUN 18	12:00E	14.0		245																
1975 JUL 15	12:00E	21.0		488																
1975 AUG 01	12:00E	20.0		358																
1975 AUG 12	12:00E	18.0		282																
1975 SEP 08	12:00E	12.0		869																
1975 SEP 22	12:00E	8.0		180																
1975 OCT 08	13:00E	4.0		194																
1975 OCT 22	12:00E	3.0		443																
1977 MAY 18	12:00E	8.0		537																
1977 MAY 30	12:00E	14.0		550																
1977 JUN 15	09:40	15.0		1 300	K		47	52	75	94	98	99	99	100				1	47	52
1977 JUN 27	12:00E	17.0		228																
1977 JUL 11	12:00E	19.0		42																
1977 JUL 25	12:00E	19.0		38																
1977 AUG 08	12:00E	17.0		38																
1977 AUG 22	13:00E	14.0		36																
1977 SEP 06	12:00E	12.0		84																

TIME SYMBOL: E - ESTIMATED

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL R - SAMPLES COLLECTED IN SEVERAL VERTICALS

CONTINUED

ALBERTA

CHENAL DES QUATRE FOURCHES BELOW FOUR FORKS - STATION NO. 07KF006 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1977 SEP 20	12:00E	11.0		118																
1977 OCT 03	12:00E	7.0		44																
1978 JUN 13	12:00E	15.0		58																
1978 JUN 26	12:00E	19.0		105																
1978 JUL 11	12:00E	20.0		1 180																
1978 JUL 25	12:00E	19.0		302																
1978 AUG 08	12:00E			41																
1978 AUG 21	12:00E	14.0		35																
1978 SEP 11	12:00E	11.0		50																
1978 SEP 19	12:00E	9.0		81																
1978 OCT 02	12:00E	9.0		102																
1979 JUN 21	12:00E	10.0		185		181														
1979 JUL 05	12:00E	22.0		172		154														
1979 JUL 18	12:00E	21.0		52		163														
1979 AUG 16	12:00E	15.0		15		162														
1979 AUG 30	12:00E	12.0		28		192														
1979 SEP 13	12:00E	10.5		42		254														
1980 JUN 18	09:10	15.0	152	407	X	178	89	91	93	95	97	98	99	100				3	17	81
1980 JUL 14	12:00E	21.0		73		285														
1980 JUL 24	12:00E	13.0		127		193														
1980 AUG 08	12:00E	18.0		54		184														
1980 AUG 19	12:00E	18.0		112		238														
1980 SEP 04	12:00E			80		183														
1980 SEP 18	12:00E	6.0		34		222														
1980 OCT 03	12:00E	6.0		57		285														
1981 JUN 09	12:00E			109		149														
1981 JUN 29	12:00E	17.5		55		293														
1981 JUL 10	12:00E	18.0		119		258														
1981 JUL 24	12:00E	17.0		57		153														
1981 AUG 06	12:00E	24.0		21		230														
1981 AUG 20	12:00E	20.0		27		188														
1981 SEP 03	12:00E	8.0		50		149														
1981 SEP 14	12:00E	12.0		24		124														
1981 OCT 05	12:00E	3.0		40		187														

TIME SYMBOL: E - ESTIMATED

CONCENTRATION SYMBOL(S): X - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

CHENAL DES QUATRE FOURCHES BELOW FOUR FORKS - STATION NO. 07KF006

BED MATERIAL PARTICLE-SIZE ANALYSIS

DATE	TIME	INSTANT. DISCHARGE (m^3/s)	NUMBER OF SAMPLING POINTS	TYPE OF SAMPLER	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	4.00	8.00	16.00	32.00	64.00
1973 JUN 01	12:00E		7	BMH4	59	73	87	97	100										
1973 OCT 09	15:45		7	BMH4	58	71	83	95	99	100									
1974 AUG 22	15:45		6	BMH60	42	55	78	95	100										
1975 AUG 01	15:00		5	BMH60	83	84	95	99	100										
1977 JUL 25	10:00		5	BMH60	70	88	98	100											
1978 AUG 08	10:48		5	BMH60	81	80	93	98	100										
1980 SEP 04	12:00E		5	BMH60	53	67	77	87	99	100									

TIME SYMBOL: E - ESTIMATED

CLEARWATER RIVER AT DRAPER - STATION NO. 07CD001

LOCATION: LAT 56 41 07 N LONG 111 15 15 W
DRAINAGE AREA: 30 800 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1966 SEP 28	12:00	11.7			37	164														
1967 MAY 12	12:00E		311	H	330	110														
1967 JUN 21	12:00E	14.4	173	H	31	183														
1967 JUN 27	12:00E	15.6	150	H	55	150														
1967 AUG 01	12:00E	20.0	145	H	80	164														
1967 SEP 14	12:00E		85.2	H	90	152														
1967 OCT 16	12:00E		80.7	H	42	176														
1967 DEC 12	12:00E		85.4	W	8	197														
1968 JAN 15	12:00E	0.5	30.3	W	5															
1968 FEB 21	12:00E	0.5	34.5	W	8	246														
1968 MAR 21	12:00E	0.5	42.5	W	3	234														
1968 APR 10	12:00E	0.5	58.0	W	8															
1968 MAY 03	12:00E	7.0	154	H	41															
1968 JUN 04	12:00E	15.5	125	H	301	143														
1968 JUL 04	16:35	19.0	121	H	389 K	161	13	24	42	68	85	95	99	100				5	71	24
1968 AUG 09	12:00E	18.5	85.5	H	71															
1968 SEP 12	12:00E		97.7	H	24															
1968 OCT 19	12:00E	3.0	164	H	15															
1968 DEC 03	12:00E	0.5	55.1	W	8															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS
CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

CLEARWATER RIVER NEAR ROCKY MOUNTAIN HOUSE - STATION NO. 05DB001

LOCATION: LAT 52 30 40 N LONG 114 55 10 W
DRAINAGE AREA: 3 220 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 JUN 05	15:15				353	187														
1971 JUN 05	15:15E				301	323														
1971 JUN 05	15:17E				414	228														
1971 JUN 05	15:30				1 320	214														
1971 JUN 06	15:31E				1 280	224														
1971 JUN 06	15:32E				1 180	221														
1971 JUN 07	15:15				1 250	220	10	17	29	42	57	75	89	95	99	100		24	59	17
1971 JUN 07	15:15E				1 380	224														
1971 JUN 07	15:17E				1 370	234	05	14	21	34	49	65	80	90	99	100		35	51	14
1971 JUN 09	14:15				703	202														
1971 JUN 09	14:15E				801	188														
1971 JUN 09	14:17E				568	200														
1971 JUN 12	15:00				46	228														
1971 JUN 12	15:01E				53	222														
1971 JUN 15	13:00				97	224														
1971 JUN 15	13:01E				132	214														
1972 APR 18	13:00E		8.88	H	24															
1972 APR 21	13:00E		9.17	H	25															
1972 APR 28	13:00E		11.1	H	8															
1972 MAY 02	13:00E		15.8	H	8															
1972 MAY 16	13:00E		27.8	H	14															
1972 MAY 20	13:00E		31.4	H	87															
1972 JUN 04	13:00E		44.5	H	143															
1972 JUN 17	13:00E		59.7	H	220															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN

ALBERTA

CONNOR CREEK NEAR ROCHFORT BRIDGE - STATION NO. 07BB010

LOCATION: LAT 54 02 53 N LONG 113 02 31 W
DRAINAGE AREA: 84.5 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP.	INSTANT. DISCHARGE	INSTANT. CONCENT.	DISSOLVED SOLIDS	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES											PERCENT		
		(°C)	(m³/s)	(mg/L)	(mg/L)	.002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	SAND	SILT	CLAY
1975 MAY 08	12:00E		0.308 H	27															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN

CONNOR CREEK NEAR SANGUDO - STATION NO. 07BB008

LOCATION: LAT 54 01 23 N LONG 114 58 38 W
DRAINAGE AREA: 185 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP.	INSTANT. DISCHARGE	INSTANT. CONCENT.	DISSOLVED SOLIDS	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES											PERCENT		
		(°C)	(m³/s)	(mg/L)	(mg/L)	.002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	SAND	SILT	CLAY
1975 APR 21	12:00E			18															
1975 APR 23	12:00E			44															

TIME SYMBOL: E - ESTIMATED

CROWFOOT CREEK NEAR CLUNY - STATION NO. 05BM004

LOCATION: LAT 50 50 00 N LONG 112 45 40 W
DRAINAGE AREA: 1 380 km²
TYPE OF FLOW: REGULATED SINCE 1914
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP.	INSTANT. DISCHARGE	INSTANT. CONCENT.	DISSOLVED SOLIDS	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES											PERCENT		
		(°C)	(m³/s)	(mg/L)	(mg/L)	.002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	SAND	SILT	CLAY
1977 MAY 17	12:00E	6.0	0.733 H	9															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN

CROWSNEST RIVER AT FRANK - STATION NO. 05AA008

LOCATION: LAT 49 35 49 N LONG 114 24 33 W
DRAINAGE AREA: 402 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1969 JUN 28	11:00				147	187														
1971 MAY 04	15:35				155	176														
1971 MAY 04	15:38E				127	178														
1971 MAY 04	15:37E				105	167														
1971 MAY 05	13:15				217	191														
1971 MAY 06	15:15				83	162														
1971 MAY 06	15:18E				106	188														
1971 MAY 06	15:17E				86	182														
1971 MAY 07	15:00				71	186														
1971 MAY 07	15:01E				76	180														
1971 MAY 07	15:02E				84	194														
1971 MAY 23	17:15				28	183														
1971 MAY 23	17:18E				25	183														
1971 MAY 23	17:17E				28	184														
1971 JUN 01	16:45				33	174														
1971 JUN 01	16:48E				24	182														
1971 JUN 01	16:47E				24	172														
1972 MAY 04	12:00E		11.1	H	43															
1972 MAY 18	12:00E		40.5	H	103															
1972 MAY 20	12:00E		40.5	H	81															
1972 MAY 21	12:00E		41.8	H	82															
1972 MAY 22	12:00E		44.2	H	100															
1972 MAY 31	12:00E		57.5	H	602															
1972 JUN 01	12:00E		58.7	H	384															
1972 JUN 02	12:00E		56.1	H	189															
1972 JUN 03	12:00E		49.0	H	109															
1972 JUN 08	12:00E		35.1	H	42															
1974 JUL 23	12:00E	10.8	9.08	V	8															
1974 SEP 08	12:00E	8.8	3.40	H	4															
1974 OCT 02	12:00E	5.8	2.53	H	3															
1975 MAY 31	12:00E	2.0	18.1	H	15															
1975 JUN 11	12:00E	10.0	17.5	H	13															
1975 JUN 30	12:00E	24.0	48.7	H	554															
1975 JUL 15	12:00E	13.0	11.4	H	16															
1975 AUG 12	12:00E	13.0	4.42	H	4															
1975 SEP 02	12:00E	14.0	4.11	H	2															
1975 OCT 03	12:00E	12.0	2.54	H	10															
1975 NOV 06	12:00E	4.0	3.43	H	100															
1981 MAY 01	12:00E		12.2	H	81															
1981 JUN 24	12:00E	12.0	12.8	H	38															
1981 AUG 12	12:00E	14.0	4.22	H	8															
1981 SEP 03	12:00E	13.0	2.82	H	5															
1981 SEP 28	12:00E	4.0	2.35	H	29															
1981 OCT 27	12:00E	7.0	1.94	H	5															
1982 APR 15	12:00E	6.0	1.87	H	28 K	288 K														
1982 MAY 04	12:00E	8.0	4.82	H	25 K	233 K														
1982 JUN 08	12:00E	15.0	12.7	V	11 K	147 K														
1982 JUL 08	12:00E	18.0	7.24	H	8 K	148 K														
1982 SEP 15	12:00E	8.0	2.20	H	2 K	276 K														
1983 MAR 30	12:00E	3.0	1.28	H	98	272														
1983 APR 28	12:00E	3.0	4.77	V	51	220														
1983 MAY 26	12:00E	7.0	15.0	H	77	183														
1983 JUN 15	12:00E	8.0	8.02	H	8	183														
1983 JUL 20	12:00E	10.5	6.81	H	10	203														
1983 SEP 01	12:00E	10.0	2.02	H	3	247														
1983 NOV 01	12:00E	3.5	1.48	H	7	270														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

DISSOLVED SOLIDS SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

DOVER RIVER NEAR THE MOUTH - STATION NO. 07DB002

LOCATION: LAT 57 10 12 N LONG 111 47 38 W
DRAINAGE AREA: 863 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1977 JUN 27	12:00E	14.0	0.422	H	6															
1977 JUL 26	12:00E	22.0	0.810	H	6															
1977 AUG 22	12:00E	14.0	0.130	H	6															
1977 SEP 16	12:00E	12.0	0.125	H	6															
1977 OCT 17	12:00E	4.0	0.881	H	8															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

DRIFTPILE RIVER NEAR DRIFTPILE - STATION NO. 07BH003

LOCATION: LAT 55 20 48 N LONG 115 47 38 W
DRAINAGE AREA: 837 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1977 APR 15	12:00E		20.0	H	863															
1977 APR 26	12:00E		21.0	H	853															
1977 MAY 24	12:00E		11.1	H	106															
1977 JUN 24	12:00E	18.0	7.33	H	176															
1977 JUL 20	12:00E	16.0	15.5	H	65															
1977 AUG 24	12:00E	14.0	1.06	H	13															
1977 SEP 16	12:00E	5.0	1.87	H	20															
1977 OCT 26	12:00E	4.0	2.43	H	20															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

DUNKIRK RIVER NEAR FORT MACKAY - STATION NO. 07DB003

LOCATION: LAT 56 51 30 N LONG 112 42 40 W
DRAINAGE AREA: 1 570 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1977 JUN 28	12:00E	18.0	1.83	H	8															
1977 JUL 26	12:00E	13.0	7.05	V	10															
1977 AUG 23	12:00E	12.0	1.07	H	4															
1977 SEP 21	12:00E	11.0	1.26	H	3															
1977 OCT 18	12:00E	3.0	2.41	H	3															
1978 APR 24	12:00E	1.0	4.05	W	14															
1978 APR 26	12:00E	0.1	5.85	W	23															
1978 MAY 02	12:00E	4.0	16.1	H	42															
1978 MAY 28	12:00E	12.0	10.4	H	10															
1978 JUN 27	12:00E	18.0	3.78	H	8															
1978 JUL 25	12:00E	18.0	0.881	H	7															
1978 AUG 22	12:00E	12.0	0.830	H	5															
1978 SEP 19	12:00E	7.0	33.4	H	21															
1978 OCT 18	12:00E	8.0	10.1	H	28															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS

DUTCH CREEK NEAR THE MOUTH - STATION NO. 05AA025

LOCATION: LAT 49 54 05 N LONG 114 25 49 W
DRAINAGE AREA: 143 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 04	12:35				39	146														
1971 MAY 04	12:36E				36	123														
1971 MAY 05	15:15				43	128														
1971 MAY 05	15:16E				42	143														
1971 MAY 06	17:30				38	146														
1971 MAY 06	17:31				21	146														
1971 MAY 23	14:05				22	147														
1971 MAY 23	14:06E				19	152														
1971 JUN 01	13:00				27	148														
1971 JUN 01	13:01E				30	137														
1971 JUN 05	12:00				175	148														
1971 JUN 05	12:01E				159	102														
1972 MAY 04	12:00E		3.74	H	10															
1972 MAY 18	12:00E		12.4	H	47															
1972 MAY 21	12:00E		14.3	H	45															
1972 MAY 22	12:00E		15.3	H	148															
1972 MAY 31	12:00E		26.1	H	675															
1972 JUN 01	12:00E		26.1	H	369															
1972 JUN 02	12:00E		22.8	H	179															
1972 JUN 03	12:00E		19.5	H	138															
1972 JUN 06	12:00E		18.5	H	152															
1972 JUN 11	12:00E		14.2	H	110															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

EAST PRAIRIE RIVER NEAR ENILDA - STATION NO. 07BF001

LOCATION: LAT 55 25 00 N LONG 115 20 20 W
DRAINAGE AREA: 1 480 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1974 APR 21	12:00E		84.3	W	2 080																	
1974 APR 22	12:00E		111	W	2 940																	
1974 MAY 01	12:00E		108	H	3 980																	
1974 MAY 02	12:00E		78.9	H	2 470																	
1974 MAY 03	12:00E		76.7	H	1 780																	
1974 MAY 06	12:00E		84.4	H	1 770																	
1974 MAY 07	12:00E		96.8	H	1 880																	
1974 MAY 08	12:00E		79.0	H	3 500																	
1974 MAY 09	12:00E		71.9	H	2 810																	
1974 MAY 10	12:00E		61.2	H	2 720																	
1974 MAY 13	12:00E		53.5	Y	2 080																	
1974 MAY 14	12:00E		50.7	Y	2 230																	
1974 MAY 15	12:00E		47.9	H	1 820																	
1974 MAY 16	12:00E		86.5	H	2 000																	
1974 MAY 17	12:00E		45.9	H	1 850																	
1974 AUG 28	12:00E	14.4	3.11	H	28																	
1974 SEP 26	12:00E	7.8	1.84	H	18																	
1974 OCT 29	12:00E	2.0	1.81	H	17																	
1975 APR 24	12:00E	1.0	7.73	W	617																	
1975 APR 29	12:00E	5.0	18.0	H	678																	
1975 MAY 02	12:00E	7.0	13.8	H	315																	
1975 MAY 15	12:00E	5.0	8.43	H	293																	
1975 JUN 04	12:00E	15.0	16.3	H	274																	
1975 JUN 06	12:00E		21.0	H	1 070																	
1975 JUN 25	12:00E	10.0	4.39	H	108																	
1975 JUL 19	12:00E	14.0	80.3	H	5 730																	
1975 AUG 25	12:00E	18.0	19.7	H	1 280																	
1975 SEP 28	12:00E	10.0	3.08	H	32																	
1975 OCT 27	12:00E	1.0	1.95	W	272																	
1976 APR 01	12:00E	3.0	0.765	W	1 880																	
1976 APR 14	09:30	1.0	81.3	H	4 450	K			6	9	13	20	31	48	68	83	94	98		52	39	9
1976 APR 15	12:00E	1.0	86.8	H	3 340																	
1976 APR 16	12:00E	1.0	39.1	H	2 400																	
1976 APR 20	12:00E	3.5	21.5	H	882																	
1976 APR 25	12:00E	8.0	29.2	H	1 100																	
1976 MAY 26	12:00E	14.0	8.97	H	213																	
1976 MAY 31	12:00E	3.0	8.78	H	113																	
1976 JUN 03	11:45	3.0	41.1	H	2 250	K			19	23	40	53	85	77	86	93	97	99	100	23	54	23
1976 JUN 03	11:50	3.0	41.1	H	2 710	K			14	22	33	45	64	62	72	81	88	94	100	38	40	22
1976 JUN 03	11:55	3.0	41.1	H	3 010	K			16	22	30	41	51	58	67	78	88	92	100	42	36	22
1976 JUN 25	12:00E	13.0	8.97	H	655																	
1976 JUN 27	12:00E		148	H	10 000	K			6	11	18	30	44	62	81	95	100			38	51	11
1976 JUN 28	12:00E	12.0	104	H	5 250																	
1976 JUN 30	12:00E	20.0	61.7	H	3 980																	
1976 JUL 23	12:00E	16.0	15.0	H	818																	
1976 SEP 16	12:00E	12.0	17.8	H	627																	
1976 OCT 07	12:00E	9.0	6.06	H	48																	
1977 APR 12	18:10	1.0	83.4	H	3 840	R			7	9	13	20	31	48	70	85	93	98		52	39	9
1977 APR 13	12:00E	1.0	49.5	H	3 980																	
1977 APR 15	11:10	2.0	40.6	H	2 010	R			8	9	14	19	27	37	55	76	88	94		63	32	5
1977 APR 28	12:00E	8.0	32.0	H	1 690																	
1977 MAY 24	12:00E		22.4	H	82																	
1977 JUN 24	12:00E	19.0	12.5	H	832																	
1977 JUL 18	12:00E	14.0	80.0	H	2 920																	
1977 AUG 28	12:00E	12.0	2.78	H	27																	
1977 SEP 19	12:00E	10.0	2.78	H	37																	
1977 OCT 26	12:00E	3.0	2.70	H	57																	
1978 SEP 27	12:00E	8.0	12.0	H	373																	
1978 OCT 23	12:00E	4.0	3.14	H	524																	
1979 APR 30	12:00E	2.0	88.2	H	4 430		89															
1979 MAY 09	12:00E	7.0	27.2	H	1 040																	
1979 JUN 08	12:00E	14.0	19.7	H	774		123															
1979 JUN 16	12:00E	14.0	181	H	7 400		171															
1979 JUL 03	17:55		238		8 280	K	180		10	14	21	30	45	75	93	98	99	100		25	61	14
1979 JUL 04	12:00E		96.5	H	4 910		184															
1979 JUL 06	12:00E		45.9	H	2 410		141															
1979 JUL 10	12:00E	19.0	34.5	H	2 030		154															
1979 AUG 15	12:00E	19.0	3.62	H	45		236															
1979 SEP 18	12:00E	14.0	2.27	H	31		239															
1980 MAY 09	12:00E	13.0	2.24	H	211		191															
1980 JUN 03	12:00E	13.0	16.8	H	635		183															
1980 JUN 25	12:00E	20.0	5.04	H	303		208															
1980 JUL 28	12:00E	17.0	3.29	H	38		222															
1980 AUG 28	12:00E	13.0	7.90	H	301		183															
1980 SEP 23	12:00E	8.0	23.2	H	487		162															
1980 OCT 27	12:00E	1.0	2.57	H	87		236															
1981 MAY 27	12:00E	18.5	9.74	H	178		152															
1981 JUL 07	12:00E	17.0	2.18	H	21		216															
1981 SEP 01	12:00E		0.815	H	26		261															
1981 SEP 30	12:00E	12.0	1.57	H	23		238															
1981 OCT 27	12:00E	0.1	0.906	W	53		259															
1982 APR 26	12:00E	0.5	8.70	W	885		150															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS Y - DAILY MEAN; ESTIMATED

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL R - SAMPLES COLLECTED IN SEVERAL VERTICALS

CONTINUED

EAST PRAIRIE RIVER NEAR ENILDA - STATION NO. 07BF001 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1982 APR 28	12:00E	1.0	7.33	H	688		170														
1982 MAY 04	12:00E	1.0	28.2	H	10 100		159														
1982 JUN 01	12:00E	1.0	8.10	H	98		149														
1982 JUL 05	12:00E	18.0	3.20	H	85		227														
1982 JUL 17	12:00E	15.0	41.8	H	1 810		202														
1982 SEP 07	12:00E	10.0	3.26	H	87		212														
1982 OCT 04	12:00E	6.0	2.18	H	26		230														
1983 APR 27	12:00E	8.5	4.78	H	136																
1983 MAY 30	12:00E	18.0	2.97	H	84																
1983 JUN 21	16:45	18.0	232		11 200	K	200	11	15	23	31	43	66	83	93	97	99		34	51	15
1983 JUN 22	15:30	10.0	108		7 370	K	180	11	15	22	31	43	66	83	95	99	100		34	51	15
1983 JUN 26	17:05	12.0	328		12 300	K	193	18	23	34	44	57	78	92	98	100			21	56	23
1983 JUN 27	13:50	11.5	247		10 300	K	210	10	15	22	31	44	73	90	98	100			27	58	15
1983 JUN 29	15:35	12.5	87.0		3 460	K	167	7	11	19	24	32	47	66	80	89	95		53	36	11
1983 JUL 18	15:45	14.0	89.0		3 470	K	183	14	19	29	41	51	69	86	96	98	99		31	50	19
1983 JUL 28	14:50	14.5	77.0		4 900	K	173	6	9	14	20	32	43	62	80	89	95		57	34	9
1983 AUG 22	12:00E	16.0	5.10	H	182		245														
1983 OCT 24	12:00E	1.0	2.73	H	55		231														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

ELBOW RIVER ABOVE ELBOW FALLS - STATION NO. 05BJ006

LOCATION: LAT 50 51 20 N LONG 114 47 37 W
DRAINAGE AREA: 437 km^2
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 08	16:30			9	217														
1971 MAY 08	16:31E			10	237														
1971 JUN 02	14:00			6	188														
1971 JUN 02	14:01			8	175														
1971 JUN 06	19:00			522	140														
1971 JUN 06	19:01E			487	153														
1971 JUN 07	11:30			1 060	180														
1971 JUN 07	11:31E			295	161														

TIME SYMBOL: E - ESTIMATED

ELBOW RIVER AT BRAGG CREEK - STATION NO. 05BJ004

LOCATION: LAT 50 56 53 N LONG 114 34 10 W
DRAINAGE AREA: 781 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1967 JUL 04	14:30	17.0			0		180															
1969 JUN 25	13:30		74.5	H	1 280	K	149		9	14	22	33	45	61	78	89	95	98		39	47	14
1969 JUN 26	10:15	7.0	89.2	H	1 220	K	145		9	14	21	31	41	55	73	90	97	99		45	41	14
1969 JUN 26	14:00		90.9	H	864		162															
1969 JUN 26	14:01		90.8	H	872		161															
1969 JUN 27	07:45		89.9	H	778	K	158	K	11	15	23	31	40	51	70	84	92	96		49	36	15
1969 JUN 27	15:50	9.5	89.9	H	703	K	158	K	15	20	31	38	50	64	83	93	96	99		36	44	20
1969 JUN 28	15:00	6.5	77.9	H	773	K	155		12	16	22	31	44	53	71	85	93	98		47	37	16
1969 JUN 30	14:15	7.0	84.0	H	742	K	185		17	21	34	45	59	75	91	97	99	100		25	54	21
1969 JUL 02	10:40	8.0	71.4	H	501	K	158		17	23	35	48	58	69	82	92	97	98		31	46	23
1970 APR 20	12:00E	2.2	3.68	W	3		266															
1970 APR 27	12:00E	1.1	5.10	V	2		266															
1970 MAY 01	12:00E	2.2	5.32	V	18		252															
1970 JUN 01	12:00E		14.8	H	5		200															
1970 JUN 16	11:30	7.0	9.83	H	1 200	K	147		12	18	28	40	51	65	81	93	98	100		35	47	18
1971 MAY 08	17:30		10.7	H	1		198															
1971 MAY 08	17:31E		10.7	H	14		202															
1971 MAY 13	09:15		19.3	H	42		191															
1971 MAY 24	15:15		26.0	H	50		175															
1971 MAY 24	15:16E		26.0	H	63		176															
1971 JUN 02	13:30		23.4	H	80		167															
1971 JUN 02	13:31E		23.4	H	21		179															
1971 JUN 06	14:10		89.2	H	1 270		152															
1971 JUN 06	11:15	5.4	50.7	H	708	K	188		5	9	17	33	48	74	88	98	99	100		26	65	9
1971 JUN 06	14:11E		89.2	H	1 150		141															
1971 JUN 06	14:12E		89.2	H	1 520		142															
1971 JUN 06	18:00		89.2	H	1 030		140															
1971 JUN 06	18:01E		89.2	H	911		131															
1971 JUN 07	10:50		88.2	H	575		137															
1971 JUN 07	10:51E		88.2	H	547		153															
1976 MAY 03	12:00E	4.0	6.29	V	5																	
1976 JUN 03	12:00E	5.0	9.91	H	1																	
1976 JUN 28	12:00E	4.0	10.4	H	1																	
1976 JUL 28	12:00E	7.0	7.59	H	1																	
1976 AUG 23	12:00E	8.0	10.8	H	2																	
1976 SEP 29	12:00E	6.0	7.28	H	5																	
1977 APR 05	12:00E	3.0	4.18	V	7																	
1977 MAY 04	12:00E	5.0	3.77	V	1																	
1977 MAY 26	12:00E	8.0	11.5	H	7																	
1977 JUL 04	12:00E	13.0	6.51	H	1																	
1977 JUL 27	12:00E	11.0	4.90	H	1																	
1977 AUG 30	12:00E	7.0	7.50	H	1																	
1977 SEP 21	12:00E	6.0	7.02	H	1																	
1978 MAY 02	12:00E	1.0	11.7	H	17																	
1978 MAY 18	12:00E	5.0	15.5	H	14																	
1978 MAY 29	12:00E	5.0	13.6	H	3																	
1978 JUN 06	12:00E	4.0	44.5	H	440																	
1978 JUN 23	12:00E	5.0	22.5	H	21																	
1978 AUG 01	12:00E	8.0	11.6	H	2																	
1978 AUG 30	12:00E	6.0	7.78	H	1																	
1978 SEP 27	12:00E	6.0	8.07	H	2																	
1979 APR 25	12:00E	3.0	4.87	H	4		283															
1979 MAY 29	12:00E	4.0	17.7	H	13		187															
1979 JUL 25	12:00E	7.0	8.82	H	0		218															
1979 AUG 22	12:00E	7.0	5.24	H	0		231															
1979 SEP 28	12:00E	6.0	4.42	H	2		233															
1980 APR 11	12:00E	1.0	2.32	H	5		259															
1980 MAY 08	12:00E	4.0	9.20	V	3		231															
1980 MAY 30	12:00E	8.0	26.1	H	20		185															
1980 JUL 04	12:00E	5.0	11.0	V	3		208															
1980 JUL 30	12:00E	9.0	7.08	H	2		234															
1980 AUG 28	12:00E	6.0	7.23	H	3		243															
1980 OCT 07	12:00E	5.0	6.67	H	7		235															
1981 MAY 01	12:00E	6.0	3.08	H	3		272															
1981 MAY 23	12:00E	3.0	68.1	H	456		154															
1981 MAY 26	12:25	8.0	88.2	H	840	K	159		13	17	30	41	53	66	77	86	91	93		34	49	17
1981 JUN 03	12:00E	5.0	46.6	H	191		181															
1981 JUN 30	12:00E		24.3	H	25		178															
1981 JUL 27	12:00E	5.0	20.6	H	5		185															
1981 AUG 26	12:00E	8.0	8.78	H	2		204															
1982 MAY 05	12:00E	3.0	4.08	H	3		255															
1982 MAY 20	12:00E	5.0	5.77	H	3		249															
1982 JUN 07	12:00E	2.0	20.0	H	21		185															
1982 JUL 07	12:00E	10.0	13.7	H	3		196															
1982 JUL 28	12:00E	15.0	7.48	H	2		221															
1982 AUG 31	12:00E	10.0	4.82	H	3		236															
1982 SEP 28	12:00E	4.0	6.35	H	1		228															
1983 APR 29	12:00E	1.0	6.86	V	9		224															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

DISSOLVED SOLIDS SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

CONTINUED

ELBOW RIVER AT BRAGG CREEK - STATION NO. 05BJ004 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1983 MAY 21	12:00E	6.0	13.8	V	18	201														
1983 MAY 28	12:00E	11.2	22.9	H	27	183														
1983 MAY 29	12:00E	10.6	25.2	H	51	174														
1983 JUN 24	12:00E	9.0	18.2	H	54	184														
1983 JUL 28	12:00E	8.0	8.55	H	6	201														
1983 AUG 17	12:00E	14.0	8.29	H	3	243														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE

ELLS RIVER NEAR THE MOUTH - STATION NO. 07DA017

LOCATION: LAT 57 18 04 N LONG 111 42 51 W
DRAINAGE AREA: 2 450 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1976 APR 15	19:10	0.5	28.0	H	1 500 K		8	12	18	26	36	53	75	89	93	97		47	41	12
1976 APR 20	12:00E	4.0	24.6	V	336															
1976 APR 27	12:00E	8.0	20.7	H	255															
1976 MAY 26	12:00E	18.0	7.83	V	19															
1976 JUL 08	12:00E	21.0	3.74	V	10															
1976 JUL 21	12:00E	21.0	4.08	H	8															
1976 AUG 06	12:00E	22.0	4.78	H	8															
1976 SEP 18	12:00E	12.0	3.85	H	7															
1976 NOV 04	12:00E	1.0	2.83	W	11															
1977 APR 11	12:00E	0.1	0.912	W	17															
1977 APR 14	12:00E	0.1	4.13	W	55															
1977 APR 16	12:00E	1.0	8.20	W	82															
1977 APR 19	12:00E	0.1	8.10	W	51															
1977 APR 21	12:00E	1.0	6.12	W	81															
1977 APR 28	12:00E	2.0	7.62	H	144															
1977 MAY 04	12:00E	15.0	4.25	H	17															
1977 MAY 30	12:00E		6.17	H	18															
1977 JUN 27	12:00E	16.0	4.87	H	4															
1977 JUL 25	12:00E	17.0	10.8	H	25															
1977 AUG 22	12:00E	15.0	7.33	H	5															
1977 SEP 19	12:00E	12.0	4.90	H	4															
1977 OCT 17	12:00E	5.0	5.15	H	6															
1978 APR 23	12:00E	0.1	5.68	W	40															
1978 APR 24	12:00E	0.1	8.50	W	89															
1978 APR 27	12:00E	1.0	35.1	W	1 490															
1978 MAY 02	12:00E	4.0	34.6	H	587															
1978 MAY 30	12:00E	14.0	23.3	H	105															
1978 JUN 27	12:00E	19.0	13.2	H	21															
1978 JUL 25	12:00E	20.0	5.35	V	8															
1978 AUG 22	12:00E	18.0	3.82	H	2															
1978 SEP 20	12:00E	9.0	20.4	H	84															
1979 APR 30	15:45	0.1	29.4		717 K	129	9	13	17	23	31	48	83	98	100			52	35	13
1979 MAY 03	12:00E	0.1	29.2	W	548	90														
1979 MAY 30	12:00E	7.0	46.8	H	430	73														
1979 JUN 26	12:00E	17.0	18.8	H	54	101														
1979 JUL 26	12:00E	22.0	3.94	H	8	123														
1979 AUG 22	12:00E	20.0	2.46	H	5	187														
1979 SEP 20	12:00E	10.0	6.37	H	15	174														
1979 OCT 17	12:00E	5.0	4.98	V	10	147														
1980 APR 24	12:00E	8.0	5.80	H	40	130														
1980 MAY 22	12:00E	18.0	2.21	H	9	180														
1980 JUN 24	12:00E	22.0	1.76	H	2	157														
1980 JUL 25	12:00E	22.0	1.60	H	3	170														
1980 AUG 27	12:00E	14.0	7.88	H	10	127														
1980 SEP 19	12:00E	8.0	7.83	V	11	157														
1980 OCT 24	12:00E	2.0	8.35	V	18	147														
1981 MAY 28	12:00E	19.0	12.3	V	41	135														
1981 JUL 14	12:00E	22.0	5.80	H	15	149														
1981 AUG 29	12:00E	16.0	1.57	H	4	158														
1982 JUN 24	12:00E	20.0	7.42	H	9 K	143 K														
1982 AUG 03	12:00E	16.0	2.94	H	2 K	188 K														
1982 SEP 18	12:00E	12.0	1.81	H	3 K	187 K														
1983 APR 26	12:00E	2.0	28.7	H	380	136														
1983 JUN 21	12:00E	17.0	6.69	V	6	145														
1983 AUG 07	12:00E	22.0	7.98	V	20	163														
1983 SEP 14	12:00E	11.0	4.86	H	15	133														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

DISSOLVED SOLIDS SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

ALBERTA

EMBARRAS RIVER BELOW DIVERGENCE - STATION NO. 07DD003

LOCATION: LAT 58 25 20 N LONG 111 33 05 W
DRAINAGE AREA: km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 09	12:00E	11.5		443																
1971 JUN 03	12:00E	20.5		148																
1971 JUN 15	18:10	18.5	481	1 320	R		20	28	44	62	78	92	98	100				8	64	28
1971 JUL 07	08:30	17.0	384	534	K		24	30	44	62	77	95	99	100				4	66	30
1971 JUL 18	11:00	17.0	778	861	R		30	41	54	65	71	79	89	97	99	100		21	34	41
1971 AUG 04	12:00E	21.5		329																
1971 AUG 18	12:00E	19.0		185																
1971 AUG 31	12:00E	15.5		82																
1971 OCT 23	12:00E			18																
1971 DEC 20	12:00E			6																
1972 JUL 04	20:50	15.5	447	1 010	K		24	33	43	65	78	88	95	99	100			12	55	33
1972 JUL 20	12:00E	18.0		209																
1972 AUG 08	12:00E	17.0		113																
1972 AUG 22	12:00E	21.0		88																
1973 JUN 07	22:40	14.5		501	R		20	27	39	55	72	87	95	99	100			13	60	27
1973 JUN 21	12:15	18.0		1 700	K		30	38	54	71	85	94	99	100				6	55	39
1973 JUN 25	20:25	16.5		712	K		23	33	47	63	79	93	98	100				7	60	33
1973 AUG 13	15:25	19.5		445	K		15	20	32	48	85	81	95	99	100			19	61	20
1974 JUN 26	12:00E			469																
1974 JUL 15	12:00E			397																
1974 JUL 31	12:00E			281																
1974 AUG 15	12:00E			78																
1974 SEP 03	12:00E			55																
1974 SEP 18	12:00E			82																
1976 MAY 13	12:00E	12.0		90																
1976 MAY 27	12:00E	16.0		47																
1976 JUN 10	12:00E	19.0		28																
1976 JUN 21	12:00E	17.0		80																
1976 JUL 05	12:00E			346																
1976 JUL 19	12:00E	18.0		277																
1976 AUG 09	12:00E	19.0		144																
1976 AUG 18	12:00E	19.0		188																
1976 AUG 30	12:00E	14.0		973																
1976 SEP 14	12:00E	13.0		218																
1977 MAY 20	12:00E	11.0		658																
1977 MAY 31	12:00E	15.0		404																
1977 JUN 13	12:00E	16.0		400																
1977 JUN 28	12:00E	17.0		224																
1977 JUL 12	12:00E	17.0		122																
1977 JUL 26	12:00E	18.0		210																
1977 AUG 09	12:00E	16.0		202																
1977 AUG 24	12:00E	14.0		94																
1977 SEP 07	12:00E	12.0		98																
1977 SEP 19	12:00E	11.0		85																
1977 OCT 04	12:00E	8.0		71																
1978 JUN 12	12:00E	16.0		356																
1978 JUN 29	12:00E	19.0		283																
1978 JUL 24	12:00E	18.0		364																
1978 AUG 14	12:00E	17.0		80																
1978 AUG 22	12:00E	15.0		78																
1978 SEP 07	12:00E	12.0		83																
1978 SEP 18	12:00E	10.0		385																
1978 OCT 03	12:00E	8.0		186																
1979 JUN 27	12:00E	15.0		321		151														
1979 JUL 11	14:27	20.0		435	K	148	33	39	49	70	86	95	98	99	100			5	66	29
1979 JUL 24	12:00E	21.0		275		158														
1979 AUG 09	12:00E	17.0		186		180														
1979 AUG 23	12:00E	18.0		129		177														
1979 SEP 04	12:00E	16.0		83		171														
1979 SEP 20	12:00E	12.0		101		186														
1980 JUN 05	12:00E	13.0		414		179														
1980 JUN 12	20:20	14.0		2 130	K	181	28	40	53	68	77	87	95	99	100			13	47	40
1980 JUL 04	13:05	18.0		725	K	158	12	20	31	48	66	82	93	97	99	100		18	62	20
1980 JUL 17	12:00E	20.0		144		20														
1980 AUG 13	14:25	18.0		725	K	158	9	17	28	41	53	62	75	90	97	99		38	45	17
1980 AUG 27	12:00E	14.0		138		171														
1980 SEP 10	12:00E	13.0		80		188														
1980 SEP 24	12:00E	7.0		208		207														
1980 OCT 08	12:00E	10.0		84		187														
1981 JUN 18	12:00E	18.0		153		181														
1981 JUL 15	12:00E	18.0		117		150														
1981 JUL 31	15:00	20.0		247	K	149	20	21	37	53	65	77	90	97	99	100		25	56	21
1981 AUG 13	12:00E	20.0		147		153														

TIME SYMBOL: E - ESTIMATED

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL R - SAMPLES COLLECTED IN SEVERAL VERTICALS

EMBARRAS RIVER BELOW DIVERGENCE - STATION NO. 07DD003

BED MATERIAL PARTICLE-SIZE ANALYSIS

DATE	TIME	INSTANT. DISCHARGE (m^3/s)	NUMBER OF SAMPLING POINTS	TYPE OF SAMPLER	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	4.00	8.00	16.00	32.00	64.00
1973 JUN 07	11:00		7	BM54			15	21	32	43	80	97	100						
1973 OCT 11	11:30		7	BM54			11	15	24	32	53	98	100						
1974 AUG 15	16:10		7	BMH80			11	16	25	34	57	98	100						
1977 JUL 12	17:40		5	BMH80			4	5	8	18	59	91	100						
1980 AUG 27	12:00E		5	BMH80					3	8	45	94	100						

TIME SYMBOL: E - ESTIMATED

EUNICE CREEK NEAR HINTON - STATION NO. 07AF005

LOCATION: LAT 53 09 10 N LONG 117 13 55 W
DRAINAGE AREA: 17.1 km^2
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1967 SEP 20	12:00E	5.0	0.048 Y	0															
1967 OCT 04	12:00E	3.3	0.048 H	2	175														
1967 OCT 18	12:00E	0.1	0.048 W	2	180														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS Y - DAILY MEAN; ESTIMATED

FIDDLE RIVER ABOVE MORRIS CREEK - STATION NO. 07AA010

LOCATION: LAT 53 10 40 N LONG 117 49 53 W
DRAINAGE AREA: 203 km^2
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 JUN 03	12:00			287	175														
1971 JUN 04	11:30			96	151														
1971 JUN 04	11:31E			145	187														
1971 JUN 05	13:30			8 720	122														
1971 JUN 05	13:31E			8 370	123														
1971 JUN 08	11:15			1 180	112														
1971 JUN 09	11:18E			1 800	109														
1971 JUN 09	13:00			1 290	104														
1971 JUN 09	13:01E			1 410	110														
1971 JUN 09	15:00			1 920	115														
1971 JUN 09	15:01E			882	122														
1971 JUN 09	17:00			815	102														
1971 JUN 09	17:01E			975	117														
1971 JUN 09	18:00			1 070	108														
1971 JUN 09	18:01E			1 380	120														
1971 JUN 09	21:00			1 030	114														
1971 JUN 09	21:01E			1 520	114														
1971 JUN 14	18:00			89	152														
1971 JUN 14	18:01E			78	162														
1971 JUN 18	18:00			25	78														
1971 JUN 18	18:01E			21	74														
1971 JUN 18	18:02E			40	74														

TIME SYMBOL: E - ESTIMATED

ALBERTA

FIREBAG RIVER NEAR THE MOUTH - STATION NO. 07DC001

LOCATION: LAT 57 38 30 N LONG 111 10 30 W
DRAINAGE AREA: 5 890 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002 .004 .008 .016 .031 .062 .125 .250 .500 1.00 2.00	PERCENT SAND SILT CLAY
1976 JUN 12	12:00E		25.8	V	12			
1976 JUL 31	12:00E	18.0	23.6	V	10			
1976 SEP 15	12:00E		33.7	H	9			
1976 SEP 30	12:00E	10.0	20.1	H	5			
1976 NOV 02	12:00E		17.6	W	3			
1977 APR 12	12:00E	0.1	17.0	W	27			
1977 APR 17	12:00E	0.1	48.1	W	45			
1977 APR 18	12:00E	1.0	73.9	W	35			
1977 APR 27	12:00E	5.0	55.2	V	71			
1977 MAY 10	12:00E	12.0	34.3	H	25			
1977 JUN 08	12:00E	14.0	38.5	H	18			
1977 JUL 07	12:00E	10.0	55.5	H	40			
1977 AUG 04	12:00E	16.0	21.1	H	5			
1977 AUG 24	12:00E	12.0	16.1	H	9			
1977 SEP 22	12:00E	11.0	24.1	H	4			
1977 OCT 21	12:00E	1.0	25.7	H	5			
1978 APR 27	12:00E	1.0	54.7	W	86			
1978 APR 29	12:00E	1.0	85.0	V	313			
1978 JUN 09	12:00E	13.0	36.2	H	17			
1978 JUL 05	12:00E		24.4	H	7			
1978 JUL 25	12:00E	17.0	14.4	H	9			
1978 AUG 23	12:00E	14.0	48.7	H	18			
1979 MAY 22	12:00E	10.0	149	H	118	88		
1979 JUN 05	12:00E	13.0	58.5	H	75	113		
1979 JUL 03	12:00E	21.0	24.7	H	8	156		
1979 AUG 23	12:00E	15.0	19.7	H	5	152		
1979 SEP 24	12:00E	11.0	28.4	H	6	155		
1979 OCT 18	12:00E	4.0	26.4	H	6	149		
1980 APR 23	12:00E	7.0	40.4	H	49	105		
1980 MAY 25	12:00E	11.0	14.9	H	5	141		
1980 JUN 24	12:00E	18.0	11.8	H	7	155		
1980 JUL 25	12:00E	18.0	19.5	H	10	151		
1980 AUG 25	12:00E	13.0	24.4	H	5	144		
1980 SEP 18	12:00E	7.0	37.4	H	15	138		
1980 OCT 26	12:00E	1.0	18.7	W	4	144		
1981 MAY 27	12:00E	17.0	24.2	V	8	148		
1981 JUL 15	12:00E	18.0	87.5	V	32	129		
1981 AUG 30	12:00E	14.0	10.1	H	2	180		
1982 MAY 18	12:00E	3.0	68.4	V	45 K	126 K		
1982 JUN 23	12:00E		18.3	H	5 K	183 K		
1982 AUG 08	12:00E	18.0	20.9	H	5 K	167 K		
1982 SEP 15	12:00E	9.0	19.0	V	8 K	159 K		
1983 APR 28	12:00E	1.0	84.1	V	64	111		
1983 JUN 15	12:00E	21.0	26.3	H	15	136		
1983 AUG 05	12:00E	22.0	15.8	H	4	152		
1983 SEP 15	12:00E	12.0	14.2	H	2	183		

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

DISSOLVED SOLIDS SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

FISH CREEK NEAR PRIDDIS - STATION NO. 05BK001

LOCATION: LAT 50 53 10 N LONG 114 19 35 W
DRAINAGE AREA: 259 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1969 MAY 20	16:00				8	250														
1969 JUL 01	14:30				215	218														
1971 MAY 08	15:30				39	187														
1971 MAY 08	15:31E				50	184														
1971 JUN 02	15:00				38	232														
1971 JUN 08	17:30				1 450	218														
1971 JUN 08	17:31E				1 240	227														
1971 JUN 07	20:00				229	211														
1971 JUN 07	20:01E				235	200														
1972 MAR 18	12:00E		4.88	W	23															
1972 MAR 19	12:00E		3.26	W	32															
1972 MAR 21	12:00E		4.73	W	49															
1972 MAR 27	12:00E		0.586	W	11															
1972 APR 06	12:00E		7.18	W	107															
1972 APR 07	12:00E		6.91	W	56															
1972 APR 11	12:00E		1.71	H	9															
1972 APR 20	12:00E		1.03	H	8															
1972 APR 26	12:00E		2.37	H	52															
1972 MAY 03	12:00E		1.44	H	7															
1972 MAY 17	12:00E		1.20	H	1															
1972 MAY 18	12:00E		1.05	H	7															
1972 MAY 20	12:00E		1.03	H	6															
1972 MAY 21	12:00E		0.983	H	13															
1972 JUN 11	12:00E		0.895	H	49															
1976 MAY 13	12:00E		0.868	H	1															
1976 SEP 24	12:00E		0.147	H	15															
1977 MAY 17	12:00E	5.0	1.78	H	15															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

W - DAILY MEAN, ICE CONDITIONS

FLETCHER CHANNEL BELOW DIVERGENCE - STATION NO. 07DD004

LOCATION: LAT 58 27 55 N LONG 111 04 30 W
DRAINAGE AREA: km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 08	12:00E	11.0		580																	
1971 JUN 03	12:00E			142																	
1971 JUN 16	12:00E	17.0		1 840																	
1971 JUL 07	13:40	17.0	388	885	K			11	17	28	41	53	64	80	99	100			36	47	17
1971 JUL 16	17:25	16.0	784	1 850	R			18	25	36	47	57	72	91	98	100			28	47	25
1971 AUG 04	15:20	21.0	288	828	K			10	16	30	45	63	81	93	99	100			19	65	16
1971 AUG 16	12:00E	19.0		162																	
1971 SEP 01	12:00E	19.0		80																	
1971 SEP 29	12:00E	7.0		70																	
1971 OCT 22	12:00E			28																	
1971 DEC 20	12:00E			6																	
1972 APR 14	11:30	0.0		6		233															
1972 JUL 05	14:35	15.5	498	1 180	K			23	30	42	56	67	78	91	99	100			22	48	30
1972 JUL 19	12:00E	16.5		233																	
1972 AUG 08	12:00E	16.5		94																	
1972 AUG 23	12:00E	21.0		75																	
1973 JUN 08	16:55	12.0		835	R			15	21	31	44	57	70	82	96	98	99	100	30	49	21
1973 JUN 28	08:10	17.0		872	K			17	21	33	47	59	72	86	97	99	100		28	51	21
1973 AUG 13	21:20	20.0		600	K			13	17	25	36	51	67	85	95	99	100		33	50	17
1974 JUN 26	12:00E			398																	
1974 JUL 11	12:00E			194																	
1974 JUL 30	12:00E			265																	
1974 AUG 14	12:00E			103																	
1974 SEP 06	12:00E			48																	
1974 SEP 16	12:00E			66																	
1974 SEP 30	12:00E			22																	
1976 MAY 12	12:00E	10.0		80																	
1976 MAY 27	12:00E	19.0		56																	
1976 JUN 08	12:00E	16.0		49																	
1976 JUN 21	12:00E	18.0		81																	
1976 JUL 06	12:00E	19.0		394																	
1976 JUL 19	12:00E	18.0		293																	
1976 AUG 03	12:00E	18.0		104																	
1976 AUG 16	12:00E	22.0		230																	
1976 AUG 30	12:00E	15.0		1 230																	
1976 SEP 13	12:00E	15.0		241																	
1976 SEP 27	12:00E	14.0		71																	
1976 OCT 15	12:00E	3.0		78																	
1977 MAY 20	12:00E	14.0		781																	
1977 JUN 01	12:00E	17.0		380																	
1977 JUN 13	12:00E	15.0		514																	
1977 JUN 28	12:00E	18.0		237																	
1977 JUL 12	12:00E	19.0		179																	
1977 JUL 25	12:00E	19.0		427																	
1977 AUG 09	12:00E	16.0		306																	
1977 AUG 24	12:00E	14.0		88																	
1977 SEP 12	12:00E	12.0		91																	
1977 SEP 19	12:00E	12.0		81																	
1977 OCT 04	12:00E	6.0		57																	
1978 JUN 12	12:00E	15.0		288																	
1978 JUL 10	12:00E	19.0		145																	
1978 JUL 24	12:00E	19.0		381																	
1978 AUG 10	12:00E	19.0		107																	
1978 AUG 21	12:00E	15.0		78																	
1978 SEP 12	12:00E	11.0		720																	
1978 SEP 18	12:00E	10.0		847																	
1978 OCT 06	12:00E	7.0		312																	
1978 JUN 27	12:00E	15.0		423		175															
1978 JUL 11	09:55	20.0		435	K	151		19	26	40	58	81	88	94	99	100			12	62	26
1978 JUL 26	12:00E	19.0		322		186															
1978 AUG 08	12:00E	17.0		143		180															
1978 AUG 22	12:00E	19.0		70		184															
1978 SEP 05	12:00E	15.0		52		194															
1978 SEP 19	12:00E	12.0		116		178															
1978 OCT 03	12:00E	9.0		80		190															
1980 JUN 04	12:00E			318		168															
1980 JUN 12	15:40	14.5		3 230	K	192		18	27	38	52	67	85	98	100				15	58	27
1980 JUL 02	08:50			878	K	153		11	16	26	39	56	77	96	100				23	61	16
1980 JUL 16	12:00E	20.0		217																	
1980 AUG 14	12:00E	20.0		804		182															
1980 AUG 28	12:00E	14.0		109		186															
1980 SEP 09	12:00E	13.0		85		187															
1980 SEP 23	12:00E	7.0		127		181															
1980 OCT 07	12:00E	9.0		78		158															
1981 JUN 17	12:00E	17.0		141		140															
1981 JUL 14	12:00E	16.0		126		158															
1981 JUL 31	09:50	20.0		336	K	160		11	16	31	48	59	75	89	98	99	100		24	60	16
1981 AUG 12	12:00E	22.0		161		153															
1981 OCT 02	12:00E	7.0		12		177															

TIME SYMBOL: E - ESTIMATED

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL R - SAMPLES COLLECTED IN SEVERAL VERTICALS

FLETCHER CHANNEL BELOW DIVERGENCE - STATION NO. 07DD004

BED MATERIAL PARTICLE-SIZE ANALYSIS

DATE	TIME	INSTANT. DISCHARGE (m^3/s)	NUMBER OF SAMPLING POINTS	TYPE OF SAMPLER	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES											
					.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	4.00	8.00	16.00	32.00	64.00
1973 JUN 05	17:30		7	BM54	17	22	32	45	87	100									
1973 OCT 04	14:30		7	BM54	11	16	23	37	96	99	100								
1974 AUG 14	12:20		7	BMH60	12	17	29	69	97	100									
1977 JUL 12	10:10		5	BMH60				1	16	98	100								
1978 AUG 10	11:25		4	BMH60					5	80	100								
1979 OCT 12	12:00E		5	UNKNOWN	8	11	16	31	97	100									
1980 AUG 26	12:00E		5	BMH60				1	12	87	100								

TIME SYMBOL: E - ESTIMATED

FREEMAN RIVER NEAR FORT ASSINIBOINE - STATION NO. 07AH001

LOCATION: LAT 54 21 52 N LONG 114 54 13 W
DRAINAGE AREA: 1 660 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1974 JUL 15	12:00E	14.4	98.0	H	1 200															
1974 OCT 29	12:00E	2.8	2.75	H	5															
1975 APR 23	12:00E	1.0	6.12	W	781															
1975 APR 28	12:00E	1.0	40.5	H	744															
1975 MAY 28	12:00E	9.0	16.6	H	45															
1975 JUL 15	12:00E		6.12	V	17															
1975 AUG 18	12:00E	13.0	3.14	V	5															
1975 SEP 25	12:00E		5.21	H	6															
1976 APR 21	12:00E	6.0	21.1	H	297															
1976 MAY 17	12:00E	13.0	6.76	H	17															
1976 JUN 23	12:00E		7.42	H	8															
1976 JUL 20	12:00E	18.0	8.75	H	25															
1976 AUG 25	12:00E	18.0	24.0	V	54															
1976 SEP 23	12:00E		8.03	H	21															
1977 APR 12	12:00E	0.1	25.8	H	153															
1977 APR 18	12:00E	2.0	18.3	H	455															
1977 MAY 06	12:00E	11.0	58.2	H	485															
1977 JUN 21	12:00E	18.0	17.6	H	36															
1977 AUG 23	12:00E	11.0	3.82	H	5															
1977 SEP 27	12:00E	10.0	7.45	H	25															
1978 APR 26	12:00E	1.0	17.0	H	320															
1978 MAY 16	12:00E	9.0	10.5	H	44															
1978 JUN 07	12:00E	17.0	9.83	H	22															
1978 JUN 16	12:00E	15.0	58.3	H	853															
1978 JUN 28	12:00E	16.0	10.6	H	41															
1978 JUL 19	12:00E	15.0	15.6	H	60															
1978 AUG 30	12:00E	13.0	5.80	H	10															
1978 SEP 27	12:00E	6.0	15.6	H	35															
1978 NOV 01	12:00E	1.0	4.22	H	11															
1979 MAY 01	12:00E	2.0	27.8	H	889	100														
1979 MAY 15	12:00E	8.0	51.8	H	1 080	90														
1979 MAY 30	12:00E	10.0	43.4	H	297	77														
1979 JUN 15	12:00E	8.0	176	H	2 860	145														
1979 JUN 18	12:00E	9.0	155	H	1 890	106														
1979 JUN 27	12:00E	15.0	25.7	H	45	115														
1979 JUL 25	12:00E	18.0	19.6	H	136	112														
1979 AUG 22	12:00E	16.0	4.30	H	11	159														
1979 SEP 20	12:00E	9.0	2.12	H	7	176														
1979 OCT 31	12:00E	1.0	2.31	H	12	183														
1980 APR 16	18:20	5.0	25.4		1 110 K	141	10	16	24	34	49	68	88	95	98	100		32	52	16
1980 MAY 14	12:00E	13.0	3.82	H	12	156														
1980 JUN 09	12:00E	18.0	10.1	H	19	128														
1980 JUL 09	12:00E	18.0	17.8	H	83	114														
1980 AUG 13	12:00E	15.0	11.1	H	17	140														
1980 SEP 23	12:00E	7.0	22.3	H	64	128														
1980 OCT 16	12:00E	3.0	5.40	H	8	157														
1981 APR 23	12:00E	4.0	15.8	H	285	125														
1981 MAY 20	12:00E	14.0	7.33	H	15	150														
1981 JUN 15	12:00E	13.0	15.2	H	54	136														
1981 JUL 08	12:00E	14.0	4.30	H	11	165														
1981 AUG 12	12:00E	20.0	2.88	H	4	178														
1981 SEP 09	12:00E	19.0	0.917	H	3	204														
1981 OCT 06	12:00E	5.0	1.30	H	8	199														
1982 JUN 24	12:00E	19.0	2.01	H	5	183														
1982 JUL 08	12:00E	16.0	22.1	H	114	124														
1982 SEP 01	12:00E	15.0	13.4	H	64	141														
1982 SEP 29	12:00E	7.0	3.02	H	7	182														
1982 NOV 02	12:00E	0.1	1.72	W	8	195														
1983 JUL 05	15:00	13.0	50.0	H	569 X	124	14	18	27	37	48	61	80	92	97	99		39	43	18
1983 AUG 30	12:00E	18.0	2.95	H	7	174														
1983 SEP 20	12:00E	5.0	5.82	H	10	160														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

GOOSE ISLAND CHANNEL BELOW DIVERGENCE - STATION NO. 07DD005

LOCATION: LAT 58 28 15 N LONG 110 51 20 W
DRAINAGE AREA: km^2
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 08	12:00E	11.5		1 080																
1971 JUN 02	12:00E	20.0		110																
1971 JUN 16	12:00E	17.0		1 780																
1971 JUL 07	16:00	17.0	643	874	K		13	19	28	38	53	65	88	100				35	46	19
1971 JUL 19	16:30	19.0	894	1 290	R		17	22	33	43	58	72	92	99	100			28	50	22
1971 AUG 04	17:45	21.0	504	329	K		12	17	28	50	84	81	95	100				19	64	17
1971 AUG 18	12:00E	19.0		231																
1971 SEP 01	12:00E	18.5		70																
1971 SEP 30	12:00E	7.0		41																
1971 OCT 22	12:00E			28																
1971 DEC 21	12:00E			6																
1972 APR 13	15:20	0.0		8		234														
1972 JUL 07	12:50	16.0	718	927	K		25	31	45	58	68	78	91	99	100			24	45	31
1972 JUL 18	12:00E	17.0		220																
1972 AUG 09	12:00E	18.0		84																
1972 AUG 24	12:00E	20.0		68																
1973 JUN 06	21:10	11.5		672	R		20	28	42	59	77	91	98	100				8	83	28
1973 JUN 26	16:00	18.0		696	K		15	22	32	45	58	72	87	97	99	100		28	50	22
1973 AUG 14	14:50			425	K		14	18	29	45	64	83	97	99	100			17	64	18
1974 JUN 27	12:00E			428																
1974 JUL 11	12:00E			163																
1974 JUL 30	12:00E			225																
1974 AUG 18	12:00E			72																
1974 SEP 06	12:00E			55																
1974 SEP 16	12:00E			50																
1974 SEP 30	12:00E			41																
1974 OCT 17	12:00E			30																
1976 MAY 12	12:00E	10.0		72																
1976 MAY 27	12:00E	18.0		48																
1976 JUN 08	12:00E	16.0		44																
1976 JUN 21	12:00E	15.0		47																
1976 JUL 05	12:00E	18.0		340																
1976 JUL 19	12:00E	18.0		274																
1976 AUG 03	12:00E	18.0		102																
1976 AUG 18	12:00E	22.0		204																
1976 AUG 30	12:00E	15.0		816																
1976 SEP 13	12:00E	11.0		202																
1976 SEP 27	12:00E	14.0		87																
1976 OCT 15	12:00E	1.0		58																
1977 MAY 20	12:00E	14.0		587																
1977 JUN 13	12:00E	18.0		524																
1977 JUN 28	12:00E	16.0		171																
1977 JUL 12	12:00E	19.0		138																
1977 JUL 25	12:00E	20.0		305																
1977 AUG 09	12:00E	18.0		303																
1977 AUG 24	12:00E	14.0		85																
1977 SEP 12	12:00E	12.0		79																
1977 SEP 18	12:00E	12.0		48																
1977 OCT 04	12:00E	6.0		55																
1978 JUN 12	12:00E	15.0		253																
1978 JUL 10	12:00E	19.0		124																
1978 JUL 24	12:00E	18.0		357																
1978 AUG 10	12:00E	18.0		111																
1978 AUG 21	12:00E	15.0		85																
1978 SEP 12	12:00E	11.0		585																
1978 SEP 18	12:00E	10.0		539																
1978 OCT 05	12:00E	7.0		220																
1979 JUN 26	12:00E	19.0		348		137														
1979 JUL 11	15:47	11.0		424	K	158	28	32	53	70	83	92	98	100				8	60	32
1979 JUL 25	12:00E	21.0		275		149														
1979 AUG 08	12:00E	17.0		117		162														
1979 AUG 22	12:00E	18.0		71		170														
1979 SEP 05	12:00E	15.0		52		171														
1979 SEP 18	12:00E	12.0		98		184														
1979 OCT 03	12:00E	9.0		81		182														
1980 JUN 04	12:00E			256		185														
1980 JUN 12	13:05	14.0		3 220	K	187	23	32	44	57	69	85	97	99	100			15	53	32
1980 JUL 02	11:35	18.0		652	K	158	11	17	28	43	59	78	90	97	99	100		24	59	17
1980 JUL 16	12:00E	20.0		321		188														
1980 AUG 15	12:30	17.0		504	K	184	18	26	38	56	74	88	98	98	99	99		12	62	26
1980 AUG 28	12:00E	14.0		148		185														
1980 SEP 09	12:00E	13.0		83		174														
1980 SEP 23	12:00E	7.0		120		181														
1980 OCT 07	12:00E	9.0		81		171														
1981 JUN 17	12:00E	17.0		134		181														
1981 JUL 14	12:00E	16.0		128		182														
1981 JUL 30	12:00E	21.0		227		186														
1981 AUG 12	12:00E	22.0		186		183														
1981 OCT 02	12:00E	7.0		21		185														

TIME SYMBOL: E - ESTIMATED

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL R - SAMPLES COLLECTED IN SEVERAL VERTICALS

GOOSE ISLAND CHANNEL BELOW DIVERGENCE - STATION NO. 07DD005

BED MATERIAL PARTICLE-SIZE ANALYSIS

DATE	TIME	INSTANT. DISCHARGE (m^3/s)	NUMBER OF SAMPLING POINTS	TYPE OF SAMPLER	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	4.00	8.00	16.00	32.00	64.00
1973 JUN 06	20:00		7	BMS4			15	23	32	51	85	100							
1973 OCT 03	18:35		7	BMS4			18	32	30	40	79	98	100						
1974 AUG 19	12:00E		6	BMH80			15	24	36	55	86	100							
1977 JUL 12	17:30		5	BMH80					19	37	87	100							
1978 AUG 10	13:43		5	BMH80			3	3	4	22	79	98	100						
1980 AUG 26	12:00E		5	BMH80						10	88	100							

TIME SYMBOL: E - ESTIMATED

HANGINGSTONE RIVER AT FORT MCMURRAY - STATION NO. 07CD004

LOCATION: LAT 56 42 18 N LONG 111 21 20 W
DRAINAGE AREA: 859 km^2
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1978 APR 26	12:00E	2.0	23.7	W	2 890																
1978 MAY 11	12:00E	7.0	6.85	H	78																
1978 JUN 12	12:00E	14.0	3.51	H	16																
1978 AUG 01	12:00E	15.0	0.759	H	7																
1978 AUG 25	12:00E	13.0	1.44	H	180																
1978 SEP 19	12:00E	8.0	18.3	H	323																
1979 MAY 10	10:00	3.0	13.3		727	K	127	10	14	24	35	49	84	80	96	100			36	50	14
1979 MAY 28	12:00E	13.0	11.3	H	168		142														
1979 JUL 05	12:00E	21.0	2.33	H	14		210														
1979 JUL 25	12:00E	20.0	3.65	H	28		191														
1979 AUG 19	12:00E	19.0	2.83	H	18		204														
1979 SEP 21	12:00E	11.0	7.08	H	64		177														
1979 OCT 16	12:00E	5.0	3.98	H	31		210														
1980 APR 21	12:00E	5.0	4.67	H	117		139														
1980 MAY 24	12:00E	12.0	0.635	H	6		334														
1980 JUN 22	12:00E	18.0	0.948	H	7		258														
1980 JUL 22	12:00E	25.0	0.893	H	8		316														
1980 AUG 18	12:00E	17.0	11.2	H	156		189														
1980 SEP 17	12:00E	7.0	16.6	H	189		163														
1980 OCT 20	12:00E	5.0	3.31	H	29		203														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN, ICE CONDITIONS

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

HARTLEY CREEK NEAR FORT MACKAY - STATION NO. 07DA009

LOCATION: LAT 57 15 34 N LONG 111 27 53 W
DRAINAGE AREA: 358 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1976 APR 08	12:00E	1.0	3.09	W	17															
1976 APR 11	12:00E	1.0	4.87	W	26															
1976 APR 13	12:00E	1.0	4.73	H	32															
1976 APR 15	12:00E	1.0	4.02	H	58															
1976 APR 20	12:00E	4.0	2.63	H	19															
1976 MAY 28	12:00E	18.0	0.382	H	3															
1976 JUL 06	12:00E	21.0	0.079	H	6															
1976 AUG 03	12:00E	21.0	0.379	H	3															
1976 SEP 16	12:00E	10.0	2.57	H	7															
1976 NOV 02	12:00E		1.02	W	2															
1977 APR 12	12:00E	0.1	0.871	W	10															
1977 APR 14	12:00E	1.0	2.08	W	12															
1977 APR 16	12:00E	1.0	2.40	W	13															
1977 APR 19	12:00E	1.0	3.77	W	32															
1977 APR 21	12:00E	1.0	3.71	W	39															
1977 MAY 02	12:00E	8.0	1.38	H	8															
1977 JUN 04	12:00E	10.0	1.56	H	9															
1977 JUN 27	12:00E	13.0	0.541	H	6															
1977 JUL 26	12:00E	19.0	0.988	H	6															
1977 AUG 22	12:00E	12.0	0.252	H	5															
1977 SEP 22	12:00E	10.0	0.507	H	2															
1977 OCT 20	12:00E	3.0	1.04	H	2															
1978 APR 12	12:00E	0.1	0.034	W	15															
1978 APR 23	12:00E	0.1	2.15	W	18															
1978 APR 25	12:00E	1.0	1.97	W	20															
1978 MAY 01	12:00E	4.0	3.40	H	24															
1978 MAY 30	12:00E	10.0	2.44	H	5															
1978 JUN 28	12:00E	15.0	1.24	H	3															
1978 JUL 24	12:00E	18.0	0.187	H	5															
1978 AUG 21	12:00E	10.0	3.00	H	105															
1978 SEP 18	12:00E	7.0	8.10	H	20															
1979 APR 30	12:00E	0.1	6.65	W	21	64														
1979 MAY 03	12:00E	0.1	7.23	W	40	83														
1979 MAY 30	12:00E	8.0	4.86	H	24	110														
1979 JUN 26	12:00E	17.0	1.86	H	8	150														
1979 JUL 25	12:00E	18.0	0.443	H	8	211														
1979 AUG 23	12:00E	15.0	0.808	H	9	194														
1979 SEP 19	12:00E	10.0	3.22	V	10	195														
1979 OCT 18	13:00E	4.0	1.58	H	8	170														
1980 APR 24	12:00E	8.0	0.897	H	9	113														
1980 MAY 25	12:00E	11.0	0.025	H	5	181														
1980 JUN 24	12:00E	22.0	0.010	H	6	207														
1980 JUL 25	12:00E	17.0	0.026	H	6	231														
1980 AUG 25	12:00E	11.0	1.23	H	5	189														
1980 SEP 18	12:00E	6.0	3.88	V	54	154														
1980 OCT 27	12:00E	0.1	1.45	W	6	169														
1981 MAY 28	12:00E	17.0	0.498	H	4	171														
1981 JUL 15	12:00E	20.0	1.80	H	10	192														
1981 AUG 29	12:00E	16.0	0.028	H	12	273														
1982 MAY 19	12:00E	4.0	3.40	H	19 K	142 K														
1982 JUN 25	12:00E	14.0	0.394	H	4 K	214 K														
1982 AUG 03	12:00E	15.0	0.537	H	1 K	212 K														
1983 APR 27	12:00E	4.0	0.815	H	7	134														
1983 JUN 22	12:00E	15.0	0.427	H	4	189														
1983 AUG 05	12:00E	20.0	0.409	H	2	228														
1983 SEP 17	12:00E	10.0	0.042	H	8	267														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

DISSOLVED SOLIDS SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

HIGHWOOD RIVER AT DIEBEL'S RANCH - STATION NO. 05BL018

LOCATION: LAT 50 24 20 N LONG 114 29 50 W
DRAINAGE AREA: 774 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP (°C)		INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1969 MAY 21	13:00					4	182														
1971 MAY 08	10:45					1	179														
1971 MAY 08	10:46E					8	187														
1971 MAY 08	10:47E					7	184														
1971 MAY 13	12:45					58	159														
1971 MAY 13	12:46E					43	156														
1971 MAY 13	12:47E					47	148														
1971 MAY 23	10:40					8	168														
1971 MAY 23	10:41					10	166														
1971 MAY 23	10:42					10	186														
1971 MAY 23	10:43					18	166														
1971 JUN 02	16:30					23	138														
1971 JUN 02	16:31					48	147														
1971 JUN 02	16:32					21	121														
1971 JUN 06	12:30					540	148	11	15	24	35	49	87	84	95	98	100		33	51	15
1971 JUN 06	12:31					575	155	11	14	18	27	36	48	66	86	98	100		51	35	14
1971 JUN 06	12:32					455	140	03	07	18	31	46	84	80	93	98	100		36	57	7
1971 JUN 07	15:15					142	127														
1971 JUN 07	15:16					173	138														
1971 JUN 07	15:17					387	142														
1972 MAY 03	12:00E			6.66	H	1															
1972 MAY 17	12:00E			43.9	H	30															
1972 MAY 19	12:00E			39.9	H	14															
1972 MAY 21	12:00E			48.7	H	28															
1972 MAY 22	12:00E			58.9	H	104															
1972 MAY 25	12:00E			51.8	H	43															
1972 MAY 31	12:00E			117	H	544															
1972 JUN 02	12:00E			107	H	554															
1972 JUN 03	12:00E			83.7	H	261															
1972 JUN 07	12:00E			89.8	H	151															
1972 JUN 08	12:00E			85.0	H	130															
1972 JUN 11	12:00E			103	H	280															
1976 MAY 13	12:00E			35.7	H	13															
1976 AUG 04	12:00E			8.86	H	4															
1977 MAY 16	12:00E	5.0		10.8	H	2															
1977 MAY 24	12:00E	7.0		14.8	V	12															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE

HIGHWOOD RIVER BELOW PICKLEJAR CREEK - STATION NO. 05BL021

LOCATION: LAT 50 29 55 N LONG 114 49 02 W
DRAINAGE AREA: 132 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)		INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 08	13:15					51	157														
1971 MAY 08	13:16					46	143														
1971 MAY 23	11:46					26	147														
1971 MAY 23	11:48					20	148														
1971 JUN 02	17:15					17	117														
1971 JUN 02	17:16					21	132														
1971 JUN 05	15:00					372	126														
1971 JUN 05	15:01					283	110														
1971 JUN 07	15:15					68	127														
1971 JUN 07	15:16					59	113														
1976 MAY 13	12:00E			13.2	H	19															
1976 AUG 04	12:00E			3.60	H	3															
1977 MAY 16	12:00E	8.0		3.28	H	2															
1977 MAY 24	12:00E	8.0		4.63	H	5															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

HIGHWOOD RIVER NEAR ALDERSYDE - STATION NO. 05BL009

LOCATION: LAT 50 41 58 N LONG 113 51 23 W
DRAINAGE AREA: 2 340 km²
TYPE OF FLOW: REGULATED SINCE 1910
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1976 MAY 14	12:00E		48.7	H	89															
1976 AUG 03	12:00E		9.86	H	1															
1976 SEP 24	12:00E		7.87	H	4															
1977 MAY 17	12:00E	8.0	12.5	H	3															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN

HIGHWOOD RIVER NEAR THE MOUTH - STATION NO. 05BL024

LOCATION: LAT 50 47 00 N LONG 113 49 13 W
DRAINAGE AREA: 3 990 km²
TYPE OF FLOW: REGULATED SINCE 1910
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1981 MAR 11	12:00E	1.0	4.70	W	11	252														
1981 APR 02	12:00E	5.0	6.82	H	9	252														
1981 APR 28	12:00E	12.0	9.60	H	11	230														
1981 MAY 19	12:00E	3.0	132	H	671	207														
1981 MAY 21	10:30	7.5	2 110		1 340	K 172	14	20	34	50	65	81	92	97	99	100		19	61	20
1981 JUN 18	12:00E	10.0	110	H	108	175														
1981 AUG 10	12:00E	18.0	27.7	H	20	212														
1981 AUG 27	12:00E	21.0	11.8	H	5	196														
1981 SEP 28	12:00E	6.0	8.62	H	3	230														
1981 OCT 26	12:00E	4.0	5.33	H	6	248														
1982 APR 30	12:00E	1.0	13.9	H	40	256														
1982 MAY 27	12:00E	3.0	43.6	H	98	161														
1982 JUN 14	12:00E	9.0	80.6	H	170	152														
1982 JUL 08	12:00E	14.0	35.2	H	110	207														
1982 JUL 28	12:00E	22.0	11.2	H	3	219														
1982 AUG 25	12:00E	14.0	4.36	H	4	221														
1982 SEP 27	12:00E	8.0	9.62	H	9	224														
1983 APR 28	12:00E	1.0	35.1	H	55	243														
1983 MAY 26	12:00E	10.0	64.6	H	135	181														
1983 JUN 02	12:00E	10.5	54.0	H	38	173														
1983 JUN 03	12:00E	8.0	52.2	H	28	169														
1983 JUN 06	12:00E	12.5	52.6	H	22	176														
1983 JUN 07	12:00E	14.0	50.7	H	21	177														
1983 JUN 08	12:00E	15.0	51.2	H	24	173														
1983 JUN 09	12:00E	13.5	49.2	H	19	184														
1983 JUN 10	12:00E	14.5	46.3	H	20	176														
1983 JUN 13	12:00E	14.0	35.5	H	14	180														
1983 JUN 14	12:00E	16.5	31.7	H	10	181														
1983 JUN 15	12:00E	15.5	29.6	H	9	185														
1983 JUN 16	12:00E	16.0	30.3	H	7															
1983 JUN 17	12:00E	16.3	29.5	H	9	184														
1983 JUN 20	12:00E	11.5	23.7	H	7	185														
1983 JUN 21	12:00E	11.5	21.8	H	6	186														
1983 JUN 22	12:00E	11.5	20.6	H	10	193														
1983 JUN 23	12:00E	12.0	30.3	H	6	191														
1983 JUL 26	12:00E	19.0	13.8	H	6	186														
1983 AUG 30	12:00E	16.0	4.30	H	2	199														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS
CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

HORSE CREEK NEAR VALLEYVIEW - STATION NO. 07GF007

LOCATION: LAT 54 55 19 N LONG 117 48 47 W
DRAINAGE AREA: 4.27 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 MAY 30	12:00E	14.0	0.003	H	4																	
1975 JUN 18	12:00E	13.0	0.001	H	4																	
1978 AUG 16	12:00E		0	H	7																	
1978 AUG 30	12:00E		0.001	Y	14																	
1978 SEP 19	12:00E	7.0	0.040	H	158																	
1978 OCT 17	12:00E	5.0	0.005	H	5																	
1979 MAY 01	12:00E	1.0	0.139	H	184																	
1979 MAY 02	12:00E	1.0	0.113	H	79		146															
1979 MAY 07	12:00E		0.082	H	89		135															
1979 MAY 17	12:00E	8.0	0.507	H	301		161															
1979 JUN 08	12:00E	6.0	0.061	H	37		207															
1979 JUL 08	12:00E		0.034	H	12		200															
1979 JUL 20	12:00E		0.010	H	15		226															
1979 AUG 08	12:00E		0.001	H	13		289															
1979 AUG 29	12:00E	14.0	0	H	19		361															
1980 APR 17	12:00E	1.0	0.072	H	210		123															
1980 JUN 09	12:00E	9.0	0.053	H	38		188															
1980 SEP 15	12:00E		0.003	H	4		279															
1980 OCT 08	12:00E		0.004	H	7		260															
1980 NOV 05	12:00E	1.0	0.003	W	8		275															
1981 MAR 27	12:00E	2.0	0.015	W	18		210															
1981 MAR 30	12:00E	2.0	0.039	W	11		150															
1981 APR 01	12:00E	0.1	0.034	W	10																	
1981 APR 03	12:00E	0.1	0.049	W	9		187															
1981 APR 10	12:00E	0.1	0.092	W	8		177															
1981 APR 18	12:00E	0.1	0.067	W	20																	
1981 APR 30	12:00E	4.0	0.044	W	13		195															
1981 MAY 11	12:00E	8.0	0.025	H	4																	
1981 MAY 25	12:00E	14.0	0.011	H	8		257															
1981 JUN 01	12:00E	12.5	0.016	H	10		258															
1981 JUN 08	12:00E	11.5	0.005	H	11		263															
1981 JUN 22	12:00E	14.5	0.002	H	14	K	317	K														
1981 JUL 06	12:00E	15.0	0	H	30	K	368	K														
1981 JUL 20	12:00E	18.0	0	H	79	K	331	K														
1981 JUL 23	12:00E	12.5	0.002	H	21	K	305	K														
1981 JUL 27	12:00E	15.5	0.001	H	55	K	338	K														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS Y - DAILY MEAN; ESTIMATED

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

DISSOLVED SOLIDS SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

IRON CREEK NEAR HARDISTY - STATION NO. 05FB002

LOCATION: LAT 52 42 28 N LONG 111 18 36 W
DRAINAGE AREA: 3 500 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 02	12:00			81	712														

JACKFISH CREEK ABOVE ATHABASCA RIVER - STATION NO. 07DD008

LOCATION: LAT 58 24 30 N LONG 110 55 12 W
DRAINAGE AREA: km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 JUL 05	12:00E			37															
1972 JUL 15	12:00E			15															
1972 AUG 24	12:00E			28															
1973 JUN 07	13:30	15.0		488 R		25	35	52	75	95	99	100					1	64	35
1973 JUN 26	12:00E	18.0		15															
1973 AUG 14	12:00E			210															
1973 AUG 28	12:00E			58															
1973 SEP 12	12:00E			31															
1973 OCT 04	12:00E			49															

TIME SYMBOL: E - ESTIMATED

CONCENTRATION SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

JAMES RIVER NEAR SUNDRE - STATION NO. 05CA002

LOCATION: LAT 51 55 37 N LONG 114 41 04 W
DRAINAGE AREA: 821 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 14	12:00			48	201														
1971 JUN 05	20:45			1 640	163														
1971 JUN 05	20:48			1 820	155														
1971 JUN 05	17:00			4 780	187														
1971 JUN 05	17:01			5 910	159														
1971 JUN 05	17:02			5 010	169														
1971 JUN 07	15:45			853	122														
1971 JUN 07	15:48			630	134														
1971 JUL 12	18:30			44	180														
1971 JUL 12	18:31			45	180														
1972 APR 21	12:00E		2.47 H	32															
1972 APR 28	12:00E		3.62 H	49															
1972 MAY 02	12:00E		4.84 H	47															
1972 MAY 10	12:00E		7.02 H	178															
1972 MAY 18	12:00E		8.81 H	228															
1972 MAY 30	12:00E		5.07 H	32															
1972 JUN 03	12:00E		3.78 H	10															
1972 JUN 17	12:00E		8.20 H	55															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

JOSLYN CREEK NEAR FORT MACKAY - STATION NO. 07DA015

LOCATION: LAT 57 16 27 N LONG 111 44 30 W
DRAINAGE AREA: 257 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1976 APR 08	12:00E		2.29	W	80																	
1976 APR 11	12:00E	1.0	10.4	W	329																	
1976 APR 13	12:00E	0.5	13.0	H	822	K			13	20	35	58	78	88	93	98	98	99		12	68	20
1976 APR 15	12:00E	2.0	10.8	V	1 100																	
1976 APR 20	12:00E	3.0	3.06	V	383																	
1976 MAY 26	12:00E		0.371	H	63																	
1976 JUL 08	12:00E	18.0	0.198	V	61																	
1976 AUG 06	12:00E	18.0	0.204	H	48																	
1976 SEP 18	12:00E	10.0	0.142	H	55																	
1976 NOV 04	12:00E	1.0	0.300	W	37																	
1977 APR 11	12:00E	0.1	0.125	W	20																	
1977 APR 14	12:00E	0.1	0.311	W	35																	
1977 APR 16	12:00E	0.1	0.983	W	74																	
1977 APR 19	12:00E	1.0	1.10	W	60																	
1977 APR 21	12:00E	1.0	1.32	W	81																	
1977 APR 26	12:00E	1.0	0.742	W	53																	
1977 MAY 04	12:00E	8.0	0.484	H	142																	
1977 MAY 30	12:00E		0.382	H	68																	
1977 JUN 27	12:00E	16.0	0.144	H	25																	
1977 JUL 25	12:00E	13.0	0.473	H	106																	
1977 AUG 22	12:00E	12.0	0.122	H	28																	
1977 SEP 18	12:00E	12.0	0.198	H	11																	
1977 OCT 17	12:00E	3.0	0.532	H	22																	
1978 APR 23	12:00E	1.0	4.02	W	51																	
1978 APR 26	12:00E	1.0	8.10	W	434																	
1978 MAY 01	12:00E	4.0	10.4	V	2 360																	
1978 MAY 30	12:00E	12.0	1.33	H	269																	
1978 JUN 27	12:00E	17.0	0.521	H	81																	
1978 JUL 25	12:00E	17.0	0.068	H	26																	
1978 AUG 22	12:00E	13.0	0.221	H	13																	
1978 SEP 19	12:00E	8.0	1.84	H	183																	
1979 APR 30	12:00E	0.1	9.32	H	169		121															
1979 MAY 03	15:00	1.0	6.80		262	K	105		17	23	40	61	87	93	97	99	100			7	70	23
1979 MAY 30	12:00E	7.0	2.31	H	544		186															
1979 JUN 26	12:00E	17.0	0.672	H	71		277															
1979 JUL 26	12:00E	17.0	0.190	V	24		388															
1979 AUG 23	12:00E	13.5	0.087	H	26		360															
1979 SEP 20	12:00E	9.0	0.492	H	57		287															
1979 OCT 17	12:00E	4.0	0.297	H	19		351															
1980 APR 24	12:00E	1.0	1.17	W	116		190															
1980 MAY 22	12:00E	15.0	0.062	H	21		296															
1980 JUN 24	12:00E	21.0	0.029	H	8		390															
1980 JUL 25	12:00E	17.0	0.618	H	89		281															
1980 AUG 27	12:00E	12.0	0.266	H	89		294															
1980 SEP 19	12:00E	9.0	0.698	H	53		281															
1980 OCT 25	12:00E	2.0	0.207	H	21		330															
1981 MAY 26	17:10	16.0	1.19	H	254	K	237		55	83	96	98	99	100						0	17	83
1981 JUL 14	12:00E	21.0	0.506	H	54		324															
1981 AUG 29	12:00E	16.0	0.002	V	8		326															
1982 JUN 24	12:00E	17.0	0.097	H	33	K	389	K														
1982 AUG 03	12:00E	14.0	0.074	H	17	K	449	K														
1982 SEP 18	12:00E	9.0	0.094	H	17	K	369	K														
1983 APR 26	11:45	1.0	5.76	H	2 040	K	237		29	40	56	76	89	96	98	99	100			4	56	40
1983 JUN 21	12:00E	16.0	1.77	H	156		337															
1983 AUG 07	12:00E	18.0	0.205	H	58		272															
1983 SEP 14	12:00E	10.0	0.059	H	17		322															

TIME SYMBOL E - ESTIMATED

DISCHARGE SYMBOL(S) H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE W - DAILY MEAN, ICE CONDITIONS
V - DAILY MEAN, ESTIMATED

CONCENTRATION SYMBOL(S) K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

DISSOLVED SOLIDS SYMBOL(S) K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

JUMPINGPOUND CREEK NEAR THE MOUTH - STATION NO. 05BH009

LOCATION: LAT 51 09 15 N LONG 114 31 42 W
DRAINAGE AREA: 571 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 MAR 19	12:00E		5.10	W	8															
1972 MAR 25	12:00E		1.98	W	5															
1972 APR 06	12:00E		3.11	W	123															
1972 APR 11	12:00E		0.983	W	27															
1972 APR 20	12:00E		0.678	W	33															
1972 APR 25	12:00E		2.97	W	85															
1972 MAY 02	12:00E		2.50	H	4															
1972 MAY 16	12:00E		5.91	H	52															
1972 MAY 20	12:00E		5.85	H	27															
1972 MAY 25	12:00E		5.60	H	36															
1972 MAY 30	12:00E		5.80	H	35															
1972 JUN 04	12:00E		4.67	H	10															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS

KANANASKIS RIVER ABOVE LOWER LAKE - STATION NO. 05BF002

LOCATION: LAT 50 37 20 N LONG 115 07 30 W
DRAINAGE AREA: 191 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 02	12:30			71	699														
1971 MAY 02	12:31			90	725														

KEG RIVER AT HIGHWAY NO. 35 - STATION NO. 07HF002

LOCATION: LAT 57 44 40 N LONG 117 37 20 W
DRAINAGE AREA: 667 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1974 SEP 18	12:00E	8.4	0.331	H	24																
1974 OCT 31	12:00E	0.5	0.391	H	17																
1975 APR 21	12:00E	1.0	2.27	W	114																
1975 MAY 08	12:00E	1.0	5.52	H	269																
1975 JUN 05	12:00E	9.0	2.07	V	499																
1975 JUL 11	12:00E	18.0	1.46	H	86																
1975 AUG 08	12:00E	19.0	0.110	H	52																
1975 SEP 11	12:00E	9.0	1.55	H	90																
1975 OCT 03	12:00E	7.0	0.408	H	27																
1975 OCT 30	12:00E	1.0	0.207	H	16																
1976 APR 06	12:00E	0.1	1.98	W	33																
1976 APR 16	12:00E	0.1	7.93	W	189																
1976 APR 19	12:00E	0.1	6.94	H	111																
1976 APR 23	12:00E	3.0	7.93	H	378																
1976 APR 30	12:00E	5.0	4.42	H	144																
1976 MAY 10	12:00E		1.75	H	131																
1976 MAY 28	12:00E	15.0	1.50	H	53																
1976 JUN 24	12:00E	14.0	0.699	H	46																
1976 JUN 29	12:00E	11.0	33.4	H	1 040																
1976 JUN 30	12:00E	11.0	19.9	H	974																
1976 JUL 28	12:00E	15.0	1.68	H	277																
1976 AUG 27	12:00E	11.0	6.34	H	122																
1976 SEP 30	12:00E	10.0	0.510	H	21																
1976 OCT 28	12:00E	1.0	1.66	W	26																
1977 MAY 18	12:00E	8.0	8.55	H	373																
1977 JUN 13	12:00E	12.0	17.8	H	809																
1977 JUN 24	12:00E	21.0	3.34	V	265																
1977 JUL 28	12:00E	18.0	1.06	H	59																
1977 SEP 06	12:00E	10.0	0.238	H	38																
1977 OCT 06	12:00E	4.0	0.180	H	25																
1977 OCT 25	12:00E	3.0	0.244	H	23																
1978 MAY 05	12:00E	14.0	8.27	H	731																
1978 MAY 23	19:20	6.0	22.2		2 050	K		30	36	48	66	83	95	99	100				5	59	36
1978 MAY 26	11:30	7.0	26.9		1 360	K		39	50	68	83	92	97	99	100				3	47	50
1978 JUN 08	12:00E	18.0	2.15	H	155																
1978 JUL 07	12:00E	19.0	0.527	H	86																
1978 AUG 28	12:00E	15.0	17.6	H	1 000																
1978 OCT 02	12:00E	5.0	6.54	H	479																
1978 OCT 27	12:00E	1.0	2.21	V	34																
1979 JUN 28	12:00E	11.0	4.37	H	3 650		198														
1979 JUN 29	12:00E		3.70	H	185		225														
1979 JUL 26	12:00E	18.0	1.55	H	75		371														
1979 AUG 17	12:00E	20.0	0.553	H	31		381														
1979 AUG 28	12:00E	9.0	0.354	H	17		467														
1979 NOV 02	12:00E	0.1	0.184	V	16		509														
1980 APR 25	12:00E	2.0	0.824	W	184		233														
1980 MAY 09	12:00E	5.0	0.295	V	46		386														
1980 JUL 03	12:00E	18.0	0.164	V	27		280														
1980 AUG 11	12:00E	17.0	0.584	H	44		184														
1981 MAY 04	17:30	3.0	28.6	H	738	K	140	28	38	56	73	83	95	97	99	100			5	59	36
1981 MAY 09	12:00E	6.0	12.1	H	490		159														
1981 MAY 25	12:00E	14.0	3.06	H	101		275														
1981 JUN 29	12:00E	18.0	0.984	H	27		413														
1981 AUG 03	12:00E	18.0	0.484	H	47		374														
1982 MAY 06	13:30	2.0	12.0		481	K	152	25	33	55	78	89	98	99	100				4	63	33
1982 MAY 21	12:00E		4.87	H	221		195														
1982 AUG 23	12:00E	12.0	0.211	V	51		328														
1982 OCT 04	12:00E	5.0	0.045	V	18		323														
1982 OCT 25	12:00E	1.5	0.155	V	18		378														
1983 MAY 06	12:00E	4.0	3.20	H	111		171														
1983 JUL 06	12:00E	18.0	0.676	H	80		287														
1983 AUG 11	12:00E	20.0	0.414	V	40		258														
1983 SEP 02	12:00E	14.0	0.254	V	62		269														
1983 SEP 27	12:00E	5.0	0.450	H	46		252														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

LAKE CLAIRE NEAR OUTLET TO PRAIRIE RIVER - STATION NO. 07KF002

LOCATION: LAT 58 38 00 N LONG 111 41 50 W
DRAINAGE AREA: km²
TYPE OF FLOW: REGULATED SINCE 1987
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JUN 13	12:00E	17.0		177															
1975 JUN 26	12:00E	20.0		264															
1975 JUL 08	17:20	21.0		322 K		78	89	94	95	98	98	99	100				2	9	89
1975 JUL 23	12:00E	20.0		497															
1975 AUG 07	12:00E	17.0		751															
1975 AUG 18	12:00E	16.0		198															
1975 SEP 03	12:00E	13.0		467															
1975 SEP 15	12:00E	9.0		307															
1975 OCT 02	12:00E			250															
1975 OCT 16	12:00E	4.0		477															

TIME SYMBOL: E - ESTIMATED

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

LAKE CLAIRE NEAR OUTLET TO PRAIRIE RIVER - STATION NO. 07KF002

BED MATERIAL PARTICLE-SIZE ANALYSIS

DATE	TIME	INSTANT. DISCHARGE (m³/s)	NUMBER OF SAMPLING POINTS	TYPE OF SAMPLER	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	4.00	8.00	16.00	32.00	64.00
1975 AUG 07	12:35		5	BMH60	84	88	93	97	100										

LEE CREEK AT BEAZER - STATION NO. 05AE037

LOCATION: LAT 49 06 45 N LONG 113 29 00 W
DRAINAGE AREA: 175 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1979 JUL 12	12:00E		1.14 H	15	171														
1979 JUL 31	12:00E		0.545 H	20	187														
1979 AUG 13	12:00E		0.326 H	2	188														
1981 JUN 11	12:00E		3.52 H	109	184														
1981 JUL 07	12:00E		1.89 H	94	182														
1981 JUL 20	12:00E		1.22 H	85	183														
1981 AUG 05	12:00E		0.887 H	86	190														
1981 SEP 02	12:00E		0.408 H	83	185														
1982 JUN 23	12:00E		2.81 H	87															
1982 JUL 22	12:00E		0.773 H	80															
1982 AUG 31	12:00E		0.283 H	49															
1982 OCT 26	12:00E		0.287 H	1															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

LEE CREEK AT CARDSTON - STATION NO. 05AE002

LOCATION: LAT 49 12 00 N LONG 113 17 45 W
DRAINAGE AREA: 307 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 MAR 17	12:00E		8.33	W	1 350															
1972 MAR 18	12:00E		8.88	W	513															
1972 MAR 23	12:00E		4.79	W	211															
1972 MAY 05	12:00E		8.40	H	158															
1972 MAY 19	12:00E	10.5		H	458															
1972 MAY 20	12:00E	10.4		H	414															
1972 MAY 22	12:00E	10.0		H	270															
1972 MAY 25	12:00E	15.0		H	1 820															
1972 MAY 26	12:00E	17.7		H	1 310															
1972 MAY 27	12:00E	14.8		H	826															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN, ICE CONDITIONS

LESSER SLAVE LAKE AT SLAVE LAKE - STATION NO. 07BJ005

LOCATION LAT 55 16 15 N LONG 114 46 18 W
DRAINAGE AREA: 13 600 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1980 JUL 16	12:00E	18.0			7															

TIME SYMBOL: E - ESTIMATED

LESSER SLAVE RIVER AT HIGHWAY NO. 2A - STATION NO. 07BK008

LOCATION: LAT 55 17 39 N LONG 114 35 26 W
DRAINAGE AREA: 14 400 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1977 APR 12	12:00E	4.0	81.0	H	186															
1977 APR 26	12:00E	5.0	89.5	H	134															
1977 MAY 25	12:00E		105	H	110															
1977 JUN 24	12:00E	17.0	114	H	127															
1977 JUL 18	12:00E	15.0	128	H	31															
1977 AUG 23	12:00E	16.0	106	H	37															
1977 SEP 19	12:00E	12.0	101	H	36															
1977 OCT 25	12:00E	5.0	83.7	H	43															
1978 JUN 26	12:00E	16.0	105	H	88	109														
1978 JUL 05	12:00E		135	H	70	131														
1978 JUL 25	12:00E		133	H	68	157														
1978 SEP 05	12:00E		108	H	39	152														
1980 APR 15	12:00E	5.0	87.8	H	77	324														
1980 APR 23	12:00E	7.0	86.8	H	33	330														
1980 MAY 27	12:00E	8.0	87.5	V	30	318														
1980 JUN 25	12:00E	18.0	85.4	H	32	138														
1980 AUG 27	12:00E	14.0	87.4	H	29	124														
1980 SEP 30	12:00E	10.0	81.9	H	33	144														
1980 OCT 28	12:00E	7.0	81.4	H	18	139														
1982 JUN 09	12:00E	16.0	39.1	V	37	120														
1982 AUG 06	12:00E	18.0	58.7	H	38 R	126 R														
1982 AUG 31	12:00E	13.0	44.9	H	23	131														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE
CONCENTRATION SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS
DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

LESSER SLAVE RIVER AT HIGHWAY NO. 2A - STATION NO. 07BK008

BED LOAD PARTICLE-SIZE ANALYSIS

DATE	TIME	INSTANT. DISCHARGE (m³/s)	NUMBER OF SAMPLING POINTS	TYPE OF SAMPLER	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .016	.031	.062	.125	.250	.500	1.00	2.00	4.00	8.00	16.00	32.00	64.00
1979 SEP 05	14:45		5	MS	1	9	71	98	100								

MS - MELLEY-SMITH

LESSER SLAVE RIVER AT HIGHWAY NO. 2A - STATION NO. 07BK008

BED MATERIAL PARTICLE-SIZE ANALYSIS

DATE	TIME	INSTANT. DISCHARGE (m³/s)	NUMBER OF SAMPLING POINTS	TYPE OF SAMPLER	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	4.00	8.00	16.00	32.00	64.00
1979 SEP 05	16:30		7	BMH60	5	8	11	33	70	96	98	99	100						

LESSER SLAVE RIVER AT SLAVE LAKE - STATION NO. 07BK001

LOCATION: LAT 55 18 20 N LONG 114 45 30 W
DRAINAGE AREA: 13 800 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1978 OCT 11	12:00E	7.0		132															

TIME SYMBOL: E - ESTIMATED

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL AT MENZAGHIES BRIDGE - STATION NO. 05AB016

LOCATION: LAT 49 43 38 N LONG 113 33 00 W
DRAINAGE AREA: km^2
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1977 APR 13	12:00E	7.0	4.87	H	53															
1977 APR 15	12:00E	6.0	9.85	H	153															
1977 APR 20	12:00E	5.0	14.2	H	98															
1977 APR 28	12:00E	8.0	16.8	H	151															
1977 MAY 12	12:00E	10.0	15.0	H	157															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

LITTLE PADDLE RIVER NEAR MAYERTHORPE - STATION NO. 07BB005

LOCATION: LAT 53 57 51 N LONG 115 10 29 W
DRAINAGE AREA: 298 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 APR 29	15:45				73		167														
1971 APR 29	15:46				59		160														
1971 APR 29	15:47				48		175														
1971 MAY 15	13:30				36		239														
1971 MAY 15	13:31				12		243														
1971 JUN 09	19:30				171		265														
1971 JUN 09	19:31				171		248														
1971 JUN 10	11:30				148		221														
1971 JUN 10	11:31				84		272														
1971 JUN 16	11:45				93		197														
1971 JUN 16	11:46				100		196														
1971 JUN 17	12:30				30		204														
1971 JUN 17	12:31				44		212														
1971 JUN 26	12:00				30		213														
1971 JUN 26	12:01				27		220														
1971 JUN 27	17:30				25		212														
1971 JUL 11	10:30				487		174	30	40	48	56	62	72	83	95	99	100		28	32	40
1971 JUL 11	10:31				378		161	22	41	58	69	80	88	93	97	99	100		12	47	41
1971 JUL 11	19:00				303		228														
1971 JUL 11	19:01				274		162														
1971 JUL 11	19:02				278		165														
1971 JUL 12	17:00				177		272														
1971 JUL 12	17:01				157		178														
1971 JUL 13	12:30				130		178														
1971 JUL 13	12:31				126		178														
1974 JUL 14	12:00E	16.1	13.2	V	94																
1974 AUG 29	12:00E	13.3	0.086	H	16																
1974 SEP 25	12:00E	11.1	0.076	V	11																
1974 OCT 31	12:00E	2.8	0.110	V	13																
1975 APR 15	12:00E	1.0	4.22	W	31																
1975 APR 17	12:00E	1.0	3.99	W	39																
1975 APR 21	12:00E	1.0	3.65	W	49																
1975 APR 24	12:00E	2.0	4.16	W	111																
1975 APR 30	12:00E	4.0	2.20	H	154																
1975 MAY 26	12:00E	12.0	0.915	H	28																
1975 JUN 17	12:00E	13.0	0.283	H	11																
1975 JUL 14	12:00E		0.275	H	13																
1975 AUG 18	12:00E	11.0	0.059	H	15																
1975 SEP 24	12:00E	12.0	0.108	H	12																
1976 APR 03	12:00E		2.05	W	17																
1976 APR 06	12:00E		4.19	W	103																
1976 APR 08	12:00E		4.18	W	141																
1976 APR 09	12:00E		3.51	W	183																
1976 APR 13	08:45	4.0	3.51	H	372	K		50	63	87	94	96	97	98	99	100			3	34	63
1976 APR 15	12:00E	3.0	2.33	H	218																
1976 APR 20	12:00E	8.0	1.61	H	139																
1976 APR 21	12:00E		1.46	H	88																
1976 APR 30	12:00E		0.518	H	43																
1976 MAY 19	12:00E	12.0	0.136	H	8																
1976 MAY 20	12:00E		0.173	H	14																
1976 JUN 22	12:00E	17.0	0.130	H	8																
1976 JUL 19	12:00E	21.0	0.153	H	9																
1976 AUG 10	12:00E	18.0	0.483	H	6																
1976 AUG 23	12:00E		0.309	H	14																
1977 APR 08	12:00E	0.1	4.19	H	112																
1977 APR 10	12:00E	1.0	4.96	H	339																
1977 APR 14	12:00E	2.0	2.50	H	176																
1977 APR 21	12:00E	2.0	0.813	Y	64																
1977 MAY 06	12:00E	14.0	5.66	V	130																
1977 MAY 30	12:00E		37.4	H	434																
1977 JUN 22	12:00E	22.0	0.453	H	14																
1977 AUG 24	12:00E	12.0	0.207	H	22																
1977 SEP 26	12:00E	10.0	1.58	H	42																
1978 APR 10	12:00E	3.0	2.74	W	244																
1978 APR 27	12:00E	6.0	1.46	H	140																
1978 MAY 18	12:00E	11.0	2.01	H	313																
1978 JUN 05	12:00E	19.0	0.838	H	48																
1978 JUN 15	12:00E	16.0	17.0		1 080	K		53	62	80	88	92	95	98	99	100			5	33	62
1978 JUN 17	12:00E	12.0	4.22	H	324																
1978 JUN 26	12:00E	18.0	0.877	H	47																
1978 JUL 17	12:00E	19.0	1.73	H	50																
1978 AUG 28	12:00E	15.0	0.433	H	27																
1978 SEP 13	12:00E	11.0	4.81	H	94																
1978 SEP 25	12:00E	8.0	1.37	H	21																
1978 OCT 30	12:00E	1.0	0.300	V	17																
1979 APR 30	12:00E	4.0	7.35	H	595		154														
1979 MAY 28	12:00E	12.0	2.07	H	86		195														
1979 JUN 25	12:00E	15.0	4.88	H	164		181														
1979 JUL 23	12:00E	20.0	1.35	H	35		193														
1979 AUG 20	12:00E	21.0	0.137	H	13		233														
1979 SEP 24	12:00E	12.0	0.018	H	26		277														
1979 OCT 29	12:00E	3.0	0.089	V	18		347														
1980 APR 15	15:45	5.0	8.12		705	K	176	43	51	74	89	95	98	99	100				2	47	51

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE W - DAILY MEAN, ICE CONDITIONS
Y - DAILY MEAN; ESTIMATED

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

CONTINUED

LITTLE PADDLE RIVER NEAR MAYERTHORPE - STATION NO. 07BB005 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1980 APR 24	12:00E	5.0	1.30	H	172	195														
1980 MAY 12	12:00E	16.0	0.234	H	27	256														
1980 JUN 10	12:00E	17.0	1.80	H	71	208														
1980 JUN 25	11:10	16.0	12.8		322 K	231	35	45	65	80	84	88	92	95	97	98		12	43	45
1980 JUL 07	12:00E	17.0	1.83	H	45	222														
1980 AUG 11	12:00E	17.0	0.694	H	30	218														
1980 SEP 08	12:00E	11.0	*0.330*	H	34	272														
1980 OCT 14	12:00E	7.0	0.308	H	21	270														
1981 MAY 18	12:00E	14.0	0.884	H	35	270														
1981 JUN 18	12:00E	15.0	0.339	H	18	278														
1981 JUL 06	12:00E	23.0	0.034	H	10	289														
1981 AUG 10	12:00E	24.0	0.130	H	24	211														
1981 SEP 07	12:00E	18.0	0.027	H	18	262														
1981 OCT 08	12:00E	5.0	0.031	H	32	284														
1982 JUL 05	20:25	15.0	15.8	H	513 K	208	36	48	68	79	85	88	93	97	99	100		12	40	48
1982 JUL 27	12:00E	18.0	0.667	V	32	212														
1982 AUG 31	12:00E	16.0	0.640	V	18	233														
1982 SEP 30	12:00E	8.0	0.110	H	30	238														
1982 OCT 26	12:00E	1.0	0.192	V	20	298														
1983 JUN 28	12:00E	13.0	2.13	H	185	185														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

LITTLE RED DEER RIVER NEAR WATER VALLEY - STATION NO. 05CB002

LOCATION: LAT 51 30 41 N LONG 114 40 19 W
DRAINAGE AREA: 449 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 JUN 06	10:30				1 430	174														
1971 JUN 06	10:31				1 200	176														
1971 JUN 06	15:45				1 060	132	13	23	38	52	66	78	89	95	98	100		21	58	23
1971 JUN 06	15:46				862	170	18	25	37	53	70	85	94	98	100			18	60	25
1971 JUN 07	15:30				280	138														
1971 JUN 07	16:31				261	151														
1971 JUL 12	18:00				3	197														
1972 MAR 25	12:00E		0.595	W	5															
1972 APR 20	12:00E		0.878	W	30															
1972 APR 26	12:00E		1.02	W	40															
1972 MAY 02	12:00E		1.59	W	18															
1972 MAY 18	12:00E		2.86	H	18															
1972 MAY 26	12:00E		1.89	H	3															
1972 MAY 30	12:00E		1.35	H	8															
1972 JUN 04	12:00E		1.13	H	9															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS

LITTLE SMOKY RIVER AT LITTLE SMOKY - STATION NO. 07GG002

LOCATION: LAT 56 46 24 N LONG 117 10 46 W
DRAINAGE AREA: km²
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1969 JUN 10	16:40			2	188														

LLOYD CREEK NEAR BLUFFTON - STATION NO. 05CC009

LOCATION: LAT 52 44 20 N LONG 114 08 50 W
DRAINAGE AREA: 241 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 22	12:15			31	234														
1971 JUN 08	11:30			3	281														
1971 JUN 15	11:30			15	217														
1971 JUN 26	10:10			9	200														
1971 JUN 26	10:11			3	170														
1971 JUN 27	12:00			11	206														
1971 JUL 12	12:30			24	208														

LOVETT RIVER NEAR THE MOUTH - STATION NO. 07BA003

LOCATION: LAT 52 59 50 N LONG 116 39 20 W
DRAINAGE AREA: 101 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1976 APR 28	12:00E	1.0	0.937	H	20															
1976 MAY 18	12:00E	4.0	0.671	H	20															
1976 JUN 15	12:00E	7.0	2.51	H	203															
1976 JUL 12	12:00E	14.0	1.08	H	8															
1976 AUG 10	12:00E	13.0	0.946	H	28															
1976 SEP 08	12:00E	5.0	0.850	H	6															
1976 OCT 06	12:00E	3.0	0.613	H	8															
1977 APR 26	12:00E	1.0	0.632	Y	50															
1977 MAY 09	12:00E	5.0	3.11	H	124															
1977 MAY 25	12:00E	8.0	4.39	H	78															
1977 JUN 14	12:00E	8.0	3.11	H	21															
1977 JUL 12	12:00E	8.0	2.72	H	19															
1977 AUG 08	12:00E	8.0	2.84	Y	88															
1977 SEP 14	12:00E	3.0	1.93	Y	28															
1978 MAY 24	12:00E		1.15	Y	11															
1978 JUN 21	12:00E		3.55	H	18															
1978 JUL 26	12:00E		1.80	H	16															
1978 AUG 30	12:00E		0.729	Y	12															
1978 SEP 27	12:00E		1.55	H	4															
1978 NOV 01	12:00E		0.544	Y	4															
1979 MAY 22	12:00E	5.0	3.20	Y	39	82														
1979 JUN 20	12:00E	10.0	1.24	Y	5	89														
1979 JUL 18	12:00E	15.0	0.700	Y	6	113														
1979 AUG 15	12:00E	12.0	0.426	H	2	124														
1979 SEP 12	12:00E	8.0	0.389	Y	8	130														
1979 OCT 02	12:00E	1.0	0.260	Y	4	144														
1979 OCT 30	12:00E	0.1	0.250	Y	5	143														
1980 APR 29	12:00E	5.0			39	93														
1980 MAY 29	12:00E	5.0	5.23	H	271	94														
1980 JUN 24	12:00E		5.58	H	326	126														
1980 JUL 28	12:00E	11.0	1.85	H	21	138														
1980 AUG 26	12:00E	5.0	1.83	H	19	127														
1980 OCT 07	12:00E	5.0	1.04	H	5	124														
1980 OCT 28	12:00E	0.1	0.880	Y	8	164														
1982 MAY 06	12:00E	0.5	1.28	W	120	91														
1982 MAY 13	12:00E	0.5	2.32	W	137	81														
1982 MAY 27	16:00	4.0	1.30		487 K	108	70	75	88	94	97	98	99	100				2	23	75
1982 JUN 21	12:00E	17.0	0.945	H	12	123														
1982 JUL 08	13:00	7.5	15.1		980 K	111	20	30	38	48	58	72	86	93	98	99		28	42	30
1982 JUL 26	12:00E	12.0	3.75	H	50	105														
1982 AUG 23	12:00E	14.0	1.11	H	80	156														
1982 SEP 21	12:00E	5.0	0.703	H	9	188														
1982 OCT 28	12:00E	0.1	0.898	W	17	182														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS
Y - DAILY MEAN; ESTIMATED

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

MACKAY RIVER NEAR FORT MACKAY - STATION NO. 07DB001

LOCATION: LAT 57 12 38 N LONG 111 41 36 W
DRAINAGE AREA: 5 670 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JUN 23	12:00E	22.0	27.7	H	31																	
1975 JUL 20	12:00E	11.0	127	H	353																	
1975 OCT 08	12:00E	4.0	29.4	H	27																	
1976 APR 08	12:00E	1.0	15.4	W	90																	
1976 APR 10	12:00E	1.0	73.6	W	898																	
1976 APR 14	14:30		158	H	431	K			14	19	32	47	61	76	94	99	100			24	57	19
1976 APR 22	12:00E	3.0	84.3	V	177																	
1976 MAY 25	12:00E	18.0	8.13	H	9																	
1976 JUL 12	12:00E	21.0	16.0	H	27																	
1976 AUG 05	12:00E	22.0	9.29	H	7																	
1976 SEP 02	12:00E	15.0	57.5	H	95																	
1976 SEP 18	12:00E	11.0	23.1	H	18																	
1976 NOV 03	12:00E	1.0	5.24	W	6																	
1977 APR 11	12:00E	0.1	11.3	W	88																	
1977 APR 14	12:00E	0.1	12.1	W	80																	
1977 APR 17	12:00E	0.1	15.3	W	125																	
1977 APR 19	12:00E	1.0	21.2	W	153																	
1977 APR 21	12:00E	1.0	19.8	W	157																	
1977 MAY 02	12:00E	10.0	11.4	H	26																	
1977 JUN 04	12:00E	11.0	17.6	H	45																	
1977 JUN 27	12:00E	14.0	8.58	H	11																	
1977 JUL 25	12:00E	17.0	13.8	H	15																	
1977 AUG 22	12:00E	15.0	3.17	H	4																	
1977 SEP 19	12:00E	12.0	3.40	H	4																	
1977 OCT 17	12:00E	5.0	8.35	H	7																	
1978 MAY 02	16:00	1.0	142		714	K	100		9	13	22	30	42	60	85	98	100			40	47	13
1978 MAY 30	12:00E	11.0	52.0	H	57		139															
1978 JUN 27	12:00E	17.0	18.5	H	18		176															
1978 JUL 26	12:00E	22.0	1.99	H	5		265															
1978 AUG 22	12:00E	21.5	1.28	H	4		319															
1978 SEP 20	12:00E	9.0	9.57	H	8		231															
1978 OCT 17	12:00E	5.0	5.98	H	7		284															
1980 APR 24	12:00E	12.0	16.4	H	36		154															
1980 MAY 22	12:00E	18.0	1.18	H	5		282															
1980 JUN 24	12:00E	22.0	2.87	H	5		232															
1980 JUL 31	12:00E	22.0	3.61	H	7		324															
1980 AUG 27	12:00E	13.0	19.7	H	23		217															
1980 SEP 19	12:00E	8.0	29.1	V	38		213															
1980 OCT 24	12:00E	3.0	12.7	V	9		207															
1981 MAY 28	12:00E	20.0	14.5	V	13		185															
1981 JUL 14	12:00E	22.0	5.77	V	6		230															
1981 AUG 28	12:00E	23.0	0.234	H	1		327															
1982 MAY 24	12:00E		43.4	H	92	K	177	K														
1982 JUN 24	12:00E		2.54	V	5	K	257	K														
1982 AUG 06	12:00E	17.0	2.71	H	4	K	328	K														
1982 SEP 16	12:00E	13.0	0.802	H	2	K	364	K														
1983 APR 26	12:00E	3.0	44.8	H	108		181															
1983 JUN 22	12:00E	18.0	8.48	H	8		232															
1983 AUG 07	12:00E	17.0	28.0	H	32		206															
1983 SEP 17	12:00E	11.0	3.02	H	3		267															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

DISSOLVED SOLIDS SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

MAMAWI LAKE CHANNEL AT DOG CAMP - STATION NO. 07KF010

LOCATION: LAT 58 38 50 N LONG 111 18 40 W
DRAINAGE AREA: km²
TYPE OF FLOW: REGULATED SINCE 1967
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 JUN 03	12:00E	20.0		36																
1971 JUN 21	12:00E	21.5		87																
1971 JUN 23	16:35	20.0		1 820	K		18	22	35	60	88	99	100					1	77	22
1971 JUN 25	12:00E	16.5		928																
1971 JUN 28	12:00E			648																
1971 JUN 30	08:45			500	K		89	95	98	99	99	99	100					1	4	95
1971 JUL 02	12:00E			736																
1971 JUL 05	12:00E			683																
1971 JUL 12	12:00E			170																
1971 JUL 14	12:00E			321																
1971 JUL 15	12:00E			310																
1971 JUL 18	12:20	18.0		858	K		72	84	96	99	100							0	16	84
1971 JUL 19	12:00E			1 850																
1971 JUL 21	10:50			2 810	K		40	52	70	88	95	100						0	48	52
1971 JUL 26	12:00E			107																
1971 JUL 28	12:00E			117																
1971 JUL 30	12:00E			70																
1971 AUG 03	11:50			302	K		14	27	51	81	96	99	100					1	72	27
1971 AUG 09	12:00E			181																
1971 AUG 13	16:20			478	K		30	41	62	83	96	99	100					1	58	41
1971 AUG 18	12:00E			37																
1971 AUG 19	12:00E			122																
1971 AUG 24	12:00E			129																
1971 SEP 03	12:00E			72																
1971 SEP 09	12:00E	14.0		304																
1971 SEP 16	12:30	10.0		1 040	K		38	50	75	98	99	100						0	50	50
1971 SEP 21	15:20	6.5		598	R		54	68	84	95	99	100						0	34	66
1971 SEP 24	12:00E	6.5		524																
1971 SEP 27	12:00E	4.5		643																
1971 SEP 29	14:20	4.0		1 360	K		33	44	66	87	98	100						0	56	44
1971 OCT 12	12:00E			20																
1971 OCT 18	12:00E			964																
1973 MAY 15	16:40	3.5		335	K		18	24	31	37	51	78	97	99	100			22	54	24
1974 MAY 22	12:00E			321																
1976 MAY 17	12:00E	12.0		240																
1976 JUN 07	12:00E	12.0		281																
1976 JUN 23	12:00E	18.0		173																
1976 JUL 05	12:00E	18.0		1 660																
1976 JUL 21	12:00E	17.0		131																
1976 AUG 03	12:00E	19.0		28																
1976 AUG 16	12:00E	18.0		1 510																
1976 SEP 01	12:00E	14.0		451																
1976 SEP 13	12:00E	12.0		327																
1976 OCT 01	12:00E	12.0		547																
1976 OCT 12	12:00E	1.0		488																
1977 MAY 18	12:00E	9.0		280																
1977 MAY 30	12:00E	15.0		331																
1977 JUN 15	12:00E	16.0		1 330																
1977 JUN 27	12:00E	17.0		58																
1977 JUL 11	12:00E	19.0		27																
1977 JUL 25	12:00E	19.0		60																
1977 AUG 08	12:00E	17.0		18																
1977 AUG 22	12:00E	14.0		17																
1977 SEP 06	12:00E	12.0		18																
1977 SEP 20	12:00E	11.0		73																
1977 OCT 03	12:00E	7.0		68																
1979 JUN 21	12:00E			145		134														
1979 JUL 05	12:00E			35		142														
1979 JUL 18	12:00E			45		149														
1979 AUG 16	12:00E			18		181														
1979 AUG 30	12:00E			29		254														
1979 SEP 13	12:00E			36		285														
1980 JUN 18	10:35	16.0		371	K		76	87	96	98	98	99	99	100				1	12	87
1980 JUL 14	12:00E	21.0		13		384														
1980 JUL 24	12:00E	13.0		151		189														
1980 AUG 08	12:00E	18.0		22		357														
1980 AUG 18	12:00E	16.0		14		409														
1980 SEP 04	12:00E			31		171														
1980 SEP 18	12:00E	8.0		42		402														
1980 OCT 03	12:00E	8.0		85		407														

TIME SYMBOL: E - ESTIMATED

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL R - SAMPLES COLLECTED IN SEVERAL VERTICALS

MAMAWI LAKE CHANNEL AT DOG CAMP - STATION NO. 07KF010

BED MATERIAL PARTICLE-SIZE ANALYSIS

DATE	TIME	INSTANT. DISCHARGE (m³/s)	NUMBER OF SAMPLING POINTS	TYPE OF SAMPLER	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	4.00	8.00	16.00	32.00	64.00
1980 SEP 04	12:00E		5	BMH60	70	90	98	100											

TIME SYMBOL: E - ESTIMATED

ALBERTA

MAMAWI LAKE CHANNEL AT OLD DOG CAMP - STATION NO. 07KF003

LOCATION: LAT 58 38 00 N LONG 111 20 00 W
DRAINAGE AREA: km²
TYPE OF FLOW: REGULATED SINCE 1967
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JUN 05	12:00E	13.0		185															
1975 JUN 19	09:45	14.0		263 K		50	63	88	92	95	97	99	100				3	34	63
1975 JUL 15	12:00E	21.0		110															
1975 JUL 23	12:00E	20.0		383															
1975 AUG 01	12:00E	18.0		126															
1975 AUG 12	12:00E	18.0		284															
1975 AUG 18	12:00E	16.0		117															
1975 AUG 25	12:00E	14.0		336															
1975 SEP 03	12:00E	13.0		318															
1975 SEP 08	12:00E	12.0		861															
1975 SEP 15	12:00E	9.0		665															
1975 SEP 22	12:00E			208															
1975 OCT 02	12:00E	10.0		488															
1975 OCT 08	12:00E	4.0		356															
1975 OCT 16	12:00E	7.0		441															
1975 OCT 21	12:00E	4.0		499															
1978 JUN 13	12:00E	15.0		67															
1978 JUN 26	12:00E	19.0		63															
1978 JUL 11	12:00E	20.0		323															
1978 JUL 25	12:00E	18.0		220															
1978 AUG 08	12:00E	17.0		59															
1978 AUG 21	12:00E	13.0		22															
1978 SEP 19	12:00E	9.0		84															
1978 OCT 02	12:00E	9.0		104															
1981 JUN 09	12:00E			94	176														
1981 JUN 29	12:00E	17.5		77	415														
1981 JUL 10	12:00E	16.0		188	430														
1981 JUL 24	12:00E	17.0		16	263														
1981 AUG 06	12:00E	24.0		18	454														
1981 AUG 20	12:00E	20.0		17	330														
1981 SEP 03	12:00E	9.0		51	461														
1981 SEP 14	12:00E	12.0		27	477														
1981 OCT 05	12:00E	3.0		76	498														

TIME SYMBOL: E - ESTIMATED

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

MAMAWI LAKE CHANNEL AT OLD DOG CAMP - STATION NO. 07KF003

BED MATERIAL PARTICLE-SIZE ANALYSIS

DATE	TIME	INSTANT. DISCHARGE (m³/s)	NUMBER OF SAMPLING POINTS	TYPE OF SAMPLER	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	4.00	8.00	16.00	32.00	64.00
1975 AUG 01	17:00		6	BMH60	59	77	92	98	100										
1978 AUG 08	13:25		6	BMH60	75	90	98	100											

MANYBERRIES CREEK AT BRODIN'S FARM - STATION NO. 05AF010

LOCATION: LAT 49 21 30 N LONG 110 43 30 W
DRAINAGE AREA: 339 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 09	16:30			17	382														

MCLEOD RIVER ABOVE EMBARRAS RIVER - STATION NO. 07AF002

LOCATION: LAT 53 28 12 N LONG 116 37 45 W
DRAINAGE AREA: 2 580 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1976 APR 28	12:00E	10.0	19.3	H	17															
1976 MAY 19	12:00E	10.0	26.3	H	9															
1976 JUN 23	12:00E	10.0	33.1	H	13															
1976 JUL 21	12:00E	18.0	14.7	H	13															
1976 AUG 25	12:00E	15.0	37.9	H	19															
1976 SEP 22	12:00E	10.0	12.7	H	2															
1977 JUN 22	12:00E		42.5	H	30															
1977 JUL 20	12:00E		35.4	H	7															
1977 AUG 24	12:00E	10.0	43.6	H	18															
1978 MAY 03	12:00E		73.3	H	96															
1978 JUN 05	12:00E		68.0	V	108															
1978 JUN 22	12:00E	12.0	65.7	V	44															
1978 JUL 19	12:00E		50.7	V	31															
1978 AUG 23	12:00E	13.0	25.5	H	3															
1979 MAY 16	12:00E	8.0	41.3	H	85	138														
1979 JUN 13	12:00E	12.0	36.2	H	13	174														
1979 JUL 18	12:00E	19.0	23.4	H	5	152														
1979 AUG 15	12:00E	18.0	11.9	H	0	181														
1979 SEP 12	12:00E		8.82	H	2	199														
1980 APR 15	12:00E	0.1	18.9	W	86	153														
1980 APR 18	12:00E	0.1	33.9	W	147	126														
1980 APR 18	12:00E	0.1	35.1	W	423	145														
1980 MAY 05	12:00E	12.0	27.0	H	11	155														
1980 JUN 03	10:00	7.0	12.7		692 K	130	9	11	19	35	59	82	95	99	100			18	71	11
1980 JUN 18	12:00E	15.0	140	H	352	151														
1980 AUG 21	12:00E	9.0	27.4	H	11	197														
1981 MAY 11	12:00E	9.0	47.8	H	113	147														
1981 JUN 10	12:00E	9.0	25.3	H	8	177														
1981 JUL 08	12:00E	8.0	18.6	H	3															
1981 AUG 12	12:00E		24.3	H	5	182														
1982 MAY 04	12:00E	0.5	57.7	H	200	121														
1982 MAY 25	12:00E	10.0	35.7	H	37	147														
1982 JUN 22	12:00E	16.0	32.5	H	12	166														
1982 JUL 27	12:00E	15.0	56.3	H	38	160														
1982 AUG 24	12:00E	14.0	27.3	H	12	167														
1982 SEP 27	12:00E	7.0	31.4	H	19	183														
1982 OCT 27	12:00E	1.0	27.0	H	5	174														
1983 MAY 10	12:00E	7.0	29.8	H	26	140														
1983 MAY 25	12:00E	13.0	29.1	H	22	180														
1983 JUN 09	12:00E	15.0	22.1	H	8	189														
1983 JUN 20	12:00E	10.0	22.7	H	15	188														
1983 JUL 19	12:00E	14.0	35.8	H	14	168														
1983 AUG 23	12:00E	13.0	6.81	H	16	188														
1983 SEP 20	12:00E	5.0	5.79	H	1	224														
1983 OCT 11	12:00E	5.0	4.84	H	1	228														
1983 OCT 31	12:00E	2.0	7.57	H	14	144														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

MCLEOD RIVER NEAR WHITECOURT - STATION NO. 07AG004

LOCATION: LAT 54 00 46 N LONG 115 50 18 W
DRAINAGE AREA: 9 100 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1976 APR 21	12:00E		84.3	H	27																
1976 MAY 19	12:00E		43.3	H	4																
1976 JUN 22	12:00E		53.0	H	10																
1976 JUL 19	12:00E		28.6	H	4																
1976 AUG 24	12:00E		73.3	H	14																
1976 SEP 22	12:00E		24.7	H	3																
1977 APR 20	12:00E	1.0	27.6	H	12																
1977 MAY 10	12:00E	9.0	255	H	311																
1977 MAY 31	12:00E	12.0	609	H	1 240																
1977 JUN 22	12:00E	22.0	87.4	H	12																
1977 AUG 24	12:00E	12.0	85.2	H	12																
1977 SEP 28	12:00E	9.0	181	H	55																
1978 APR 20	12:00E	2.0	38.1	H	18																
1978 MAY 17	12:00E	12.0	120	H	17																
1978 JUN 06	12:00E	16.0	118	H	42																
1978 JUN 18	12:00E	12.0	388	H	878																
1978 JUN 27	12:00E		133	V	27																
1978 JUL 18	12:00E	17.0	114	V	36																
1978 AUG 29	12:00E	16.0	37.4	H	3																
1978 SEP 26	12:00E	9.0	77.6	H	10																
1978 OCT 31	12:00E	2.0	28.2	V	3																
1979 MAY 01	12:00E	3.0	156	H	267		110														
1979 MAY 29	12:00E	12.0	114	H	104		123														
1979 JUN 26	12:00E	18.0	123	H	41		138														
1979 JUL 24	12:00E	20.0	71.8	H	5		180														
1979 AUG 22	12:00E	22.0	20.3	H	0		208														
1979 SEP 25	12:00E	16.0	13.8	H	3		212														
1979 OCT 30	12:00E	2.0	18.6	V	2		233														
1980 APR 15	13:15	1.0	92.2		287	K	157	14	21	40	65	80	90	95	97	98	99		10	89	21
1980 APR 18	12:00E	4.0	134	H	233		145														
1980 MAY 13	12:00E	18.0	35.1	H	16		182														
1980 MAY 29	15:15	8.0	332		797	K	148	9	18	28	41	57	78	89	97	99	100		24	80	18
1980 JUN 07	12:00	8.0	1 270		1 850	K	139	20	28	38	54	69	84	92	96	98	99		18	58	28
1980 JUN 25	12:00E	13.0	583	H	993		145														
1980 JUL 08	12:00E	18.0	190	H	58		161														
1980 AUG 12	12:00E	18.0	79.2	H	6		185														
1980 SEP 10	12:00E	14.0	46.7	H	8		210														
1980 OCT 15	12:00E	7.0	41.1	H	8																
1981 APR 22	12:00E	8.0	42.3	H	18		208														
1981 MAY 19	12:00E	14.0	85.4	H	32		189														
1981 JUN 17	12:00E	15.0	101	V	27		175														
1981 JUL 07	12:00E	14.0	25.5	H	6		208														
1981 AUG 11	12:00E	24.0	47.2	V	9		186														
1981 SEP 08	12:00E	18.0	32.1	H	3		214														
1981 OCT 07	12:00E	8.0	17.1	H	18		241														
1982 JUN 22	12:00E	20.0	51.6	H	5		162														
1982 JUL 07	14:00	12.0	932	H	1 470	K	129	15	20	33	48	62	77	87	95	98	100		23	57	20
1982 JUL 28	12:00E	22.0	111	H	28		184														
1982 SEP 09	12:00E	15.0	102	V	20		181														
1982 SEP 28	12:00E	10.0	49.0	H	8		209														
1983 JUN 08	12:00E	15.0	36.4	H	7		185														
1983 JUL 06	12:00E	16.0	181	H	115		144														
1983 AUG 31	12:00E	20.0	14.0	H	2		208														
1983 SEP 27	12:00E	9.0	15.0	H	16		217														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE Y - DAILY MEAN, ESTIMATED

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

MCLEOD RIVER NEAR WOLF CREEK - STATION NO. 07AG001

LOCATION: LAT 53 38 15 N LONG 116 18 50 W
DRAINAGE AREA: 6 310 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1969 MAY 28	08:30			11	155														

MEADOW CREEK NEAR THE MOUTH - STATION NO. 05AB023

LOCATION: LAT 49 57 15 N LONG 113 39 43 W
DRAINAGE AREA: 130 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 06	08:00			88	275														
1971 MAY 24	11:15			169	330														
1971 JUN 01	09:45			103	355														
1971 JUN 06	08:30			157	403														
1972 MAR 18	12:00E		1.32 H	568															
1972 MAR 19	12:00E		0.840 H	288															
1972 MAR 24	12:00E		0.518 H	247															
1972 MAY 05	12:00E		0.486 H	79															
1972 MAY 16	12:00E		0.585 H	85															
1972 MAY 19	12:00E		0.572 H	103															
1972 MAY 21	12:00E		0.558 H	108															
1972 MAY 25	12:00E		1.19 H	502															
1972 MAY 26	12:00E		0.958 H	182															
1972 JUN 10	12:00E		1.34 H	6 110															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

MICHICHI CREEK AT DRUMHELLER - STATION NO. 05CE020

LOCATION: LAT 51 28 17 N LONG 112 42 59 W
DRAINAGE AREA: 1 140 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1978 JUN 07	11:00		0.113	11 600 K		92	97	99	99	100							0	3	97

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

MIDDLE FORK CREEK IN CIROUE NEAR SEEBE - STATION NO. 05BF020

LOCATION: LAT 50 57 30 N LONG 115 11 58 W
DRAINAGE AREA: 1.17 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1978 AUG 28	12:00E		0.037 H	3															
1979 JUN 05	12:00E	1.0	0.134 V	5	77														
1979 JUL 05	12:00E		0.037 H	1	88														
1979 AUG 30	12:00E	8.0	0.008 H	8	142														
1979 SEP 24	12:00E		0.005 H	5	133														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE

ALBERTA

MILK RIVER AT EASTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO. 11AA031

LOCATION: LAT 48 59 03 N LONG 110 28 10 W
DRAINAGE AREA: 6 490 km²
TYPE OF FLOW: REGULATED SINCE 1917
TYPE OF GAUGE: RECORDING

INTERNATIONAL GAUGING STATION

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1974 APR 17	12:00E	10.0	21.4	H	1 630																
1974 MAY 02	12:00E	12.2	32.8	H	3 920																
1974 MAY 16	12:00E	6.7	34.0	H	6 460																
1974 MAY 30	12:00E	15.6	12.5	H	659																
1974 JUN 13	12:00E	18.9	25.5	H	1 420																
1974 JUN 28	12:00E	18.3	20.0	H	2 370																
1974 JUL 17	12:00E	22.2	21.3	H	808																
1974 JUL 27	12:00E	20.6	17.8	H	778																
1974 AUG 14	12:00E		19.9	H	1 500																
1974 AUG 26	12:00E	20.6	17.9	H	1 080																
1974 SEP 16	12:00E	22.2	18.3	H	829																
1976 MAR 26	12:00E	1.0	18.7	H	2 580																
1976 APR 02	12:00E	7.0	8.40	H	816																
1976 APR 14	12:00E	11.0	13.4	H	885																
1976 APR 19	12:00E	11.0	10.3	H	675																
1976 MAY 06	12:00E	14.0	18.9	H	2 580																
1976 MAY 12	12:00E	14.0	27.1	H	911																
1976 MAY 28	12:00E	17.0	22.7	H	1 980																
1976 JUN 16	12:00E	16.0	25.1	H	860																
1976 JUN 25	12:00E	13.0	24.3	H	1 820																
1976 JUL 14	13:10	18.0	22.1	H	1 200	R		12	17	23	30	40	57	84	98	99	100		43	40	17
1976 JUL 26	12:00E	23.0	19.6	H	1 680																
1976 AUG 18	12:00E	20.0	22.3	H	1 090																
1976 AUG 25	12:00E	20.0	21.3	H	1 090																
1976 AUG 26	12:00E	18.0	20.8	H	1 250																

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN
CONCENTRATION SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

MILK RIVER AT EASTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO. 11AA031

BED MATERIAL PARTICLE-SIZE ANALYSIS

DATE	TIME	INSTANT. DISCHARGE (m³/s)		NUMBER OF SAMPLING POINTS	TYPE OF SAMPLER	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	4.00	8.00	16.00	32.00	64.00
1976 AUG 26	12:45	21.3	H	6	UNKNOWN			8	11	24	55	95	100							

DISCHARGE SYMBOL(S): H - DAILY MEAN

MILK RIVER AT HIGHWAY NO. 880 - STATION NO. 11AA036

LOCATION: LAT 48 08 44 N LONG 111 18 19 W
DRAINAGE AREA: km²
TYPE OF FLOW: REGULATED SINCE 1916
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1981 AUG 28	12:00E			186	115														

TIME SYMBOL: E - ESTIMATED

MILK RIVER AT MILK RIVER - STATION NO. 11AA005

LOCATION: LAT 49 08 37 N LONG 112 04 44 W
DRAINAGE AREA: 2 720 km²
TYPE OF FLOW: REGULATED SINCE 1916
TYPE OF GAUGE: RECORDING

INTERNATIONAL GAUGING STATION

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1974 MAY 08	12:00E	11.1	30.0	H	582															
1974 MAY 13	12:00E	11.1	26.3	H	404															
1974 JUN 05	12:00E	9.4	21.1	H	304															
1974 JUL 15	12:00E	12.8	20.8	H	152															
1974 AUG 12	12:00E	14.4	18.9	H	105															
1974 SEP 20	12:00E	12.2	17.5	H	89															
1974 SEP 26	12:00E	10.0	5.91	H	80															
1974 OCT 17	12:00E		0.852	H	3															
1975 FEB 26	12:00E	1.0	0.089	W	17															
1975 MAR 17	12:00E	1.0	0.688	W	25															
1975 APR 15	12:00E	1.0	1.09	W	8															
1975 APR 19	12:00E	1.0	4.81	W	410															
1975 APR 21	12:00E	1.0	13.0	W	740															
1975 APR 23	12:00E	1.0	8.88	W	414															
1975 APR 29	12:00E	1.0	32.4	H	2 180															
1975 MAY 13	12:00E	9.0	47.9	H	1 520															
1975 MAY 27	12:00E	9.0	12.1	H	205															
1975 JUN 16	12:00E	17.0	14.6	H	289															
1975 JUN 21	12:00E		207	H	5 130															
1975 JUN 22	12:00E	14.0	75.6	H	2 580															
1975 JUN 24	12:00E	11.0	28.3	H	802															
1975 JUL 14	12:00E	25.0	11.0	H	47															
1975 AUG 11	12:00E	18.0	19.4	H	113															
1975 SEP 19	12:00E	7.0	20.8	H	84															
1975 OCT 18	12:00E	4.0	4.82	H	26															
1975 OCT 29	12:00E	3.0	3.40	H	14															
1976 MAR 30	12:00E	6.0	8.30	H	346															
1976 APR 12	12:00E	13.0	15.2	Y	316															
1976 APR 27	12:00E	4.0	13.6	Y	174															
1976 MAY 11	12:00E	5.0	26.2	H	756															
1976 JUN 16	12:00E	12.0	26.1	Y	359															
1976 JUL 13	12:00E	12.0	23.3	Y	174															
1976 AUG 18	12:00E	13.0	22.3	H	185															
1976 SEP 16	12:00E	15.0	20.0	H	92															
1976 OCT 13	12:00E	8.0	1.55	Y	14															
1983 MAR 17	12:00E	0.1	8.12	W	122	185														
1983 MAR 29	12:00E	5.0	15.1	H	381	143														
1983 APR 21	12:00E	9.5	7.31	H	28	192														
1983 MAY 12	12:00E	7.0	6.58	Y	24	212														
1983 MAY 18	12:00E	11.0	6.93	H	21	209														
1983 JUN 15	12:00E	15.5	16.6	H	3 300	98														
1983 JUL 12	12:00E	17.0	19.2	H	383	97														
1983 AUG 18	12:00E	17.0	17.7	H	84	71														
1983 SEP 13	12:00E	10.0	0.545	H	3	263														
1983 OCT 31	12:00E	8.5	0.380	H	3	380														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN
Y - DAILY MEAN; ESTIMATED
V - DAILY MEAN; MANUAL GAUGE
W - DAILY MEAN, ICE CONDITIONS

ALBERTA

MILK RIVER AT WESTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO. 11AA025

LOCATION: LAT 49 00 27 N LONG 112 32 42 W
DRAINAGE AREA: 1 080 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INTERNATIONAL GAUGING STATION

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1974 MAY 07	12 00E	13.3	8.27	H	86																	
1974 MAY 13	12 00E	8.3	4.78	H	25																	
1974 JUN 05	12 00E	10.0	3.71	H	15																	
1974 JUL 15	12 00E	14.4	1.31	H	22																	
1974 AUG 13	12 00E	11.1	1.11	H	26																	
1974 SEP 16	12 00E	16.1	0.284	H	15																	
1974 OCT 17	12 00E		0.377	H	8																	
1975 FEB 26	12 00E	1.0	0.085	W	57																	
1975 MAR 19	12 00E	1.0	0.731	W	7																	
1975 APR 15	12 00E	1.0	1.71	W	58																	
1975 APR 20	12 00E	1.0	8.10	W	378																	
1975 APR 22	12 00E	1.0	3.14	W	191																	
1975 APR 24	12 00E	1.0	3.20	W	175																	
1975 APR 28	12 00E	2.0	14.7	H	807																	
1975 MAY 13	12 00E	10.0	28.8	H	485																	
1975 MAY 27	12 00E	9.0	5.84	H	40																	
1975 JUN 17	12 00E	12.0	7.05	H	30																	
1975 JUN 20	12 00E		118	H	5 230																	
1975 JUN 21	12 00E	15.0	97.4	H	2 600																	
1975 JUN 22	12 00E		32.8	H	1 160																	
1975 JUN 24	12 00E	10.0	15.7	H	186																	
1975 JUL 15	12 00E	22.0	3.85	H	15																	
1975 AUG 12	12 00E	17.0	0.926	H	10																	
1975 SEP 18	12 00E	7.0	0.689	H	30																	
1975 OCT 15	12 00E	7.0	2.75	H	17																	
1975 OCT 30	12 00E	3.0	1.48	V	22																	
1976 MAR 31	12 00E	3.0	3.68	W	97																	
1976 APR 13	12 00E	9.0	10.4	H	141																	
1976 MAY 11	12 00E	8.0	6.71	H	56																	
1976 JUN 15	12 00E		3.94	H	51																	
1976 JUL 13	12 00E	21.0	1.12	H	32																	
1976 AUG 18	12 00E	12.0	1.18	H	61																	
1976 SEP 14	12 00E	12.0	0.173	H	32																	
1976 OCT 13	12 00E	8.0	0.297	H	21																	
1981 MAR 04	12 00E	0.3	1.30	W	14		348															
1981 MAR 11	12 00E	0.5	1.60	W	31		313															
1981 MAR 24	12 00E	6.5	1.73	H	59		322															
1981 APR 14	12 00E	10.0	1.51	H	5		344															
1981 MAY 13	12 00E	10.0	2.83	H	17		317															
1981 MAY 21	12 00E	17.0	12.3	H	1 010		339															
1981 MAY 28	12 00E	15.0	7.30	H	94		326															
1981 JUN 02	12 00E	16.0	3.73	H	27		303															
1981 JUN 05	12 00E	13.0	3.11	H	21		297															
1981 JUN 09	12 00E	13.0	2.64	H	18		289															
1981 JUN 11	12 00E	12.0	2.51	H	13		293															
1981 JUN 17	12 00E	13.5	8.16	H	57		319															
1981 JUN 23	12 00E	14.0	2.71	H	12		295															
1981 JUN 25	12 00E	17.0	2.23	H	8		286															
1981 JUN 30	12 00E	18.0	1.77	H	6		294															
1981 JUL 08	12 00E	13.0	0.796	H	8		285															
1981 JUL 10	12 00E	15.0	0.791	H	14		301															
1981 JUL 14	12 00E	18.5	0.719	H	7		290															
1981 JUL 20	12 00E	20.0	0.824	H	9		264															
1981 JUL 24	12 00E	17.0	0.583	H	11		279															
1981 JUL 29	12 00E	20.0	1.81	H	11		252															
1981 AUG 10	12 00E	20.0	0.418	H	15		427															
1981 AUG 18	12 00E	20.0	0.288	H	15		382															
1981 AUG 25	12 00E	23.0	0.189	H	27		333															
1981 AUG 31	12 00E	16.0	0.087	H	26		422															
1981 SEP 03	12 00E	15.0	0.057	H	23		446															
1981 SEP 08	12 00E	20.0	0.157	H	23		448															
1981 SEP 11	12 00E	14.0	0.120	H	28		551															
1981 SEP 14	12 00E	18.0	0.078	H	23		680															
1981 SEP 21	12 00E	10.0	0.022	H	20		676															
1981 SEP 24	12 00E	8.0	0.012	H	18		686															
1981 SEP 28	12 00E	11.0	0.021	H	17		692															
1981 OCT 05	12 00E	7.0	0.243	H	8		1 230															
1981 OCT 08	12 00E	7.0	0.283	H	8		812															
1981 OCT 15	12 00E	8.5	0.540	H	10		537															
1981 NOV 02	12 00E	8.0	0.610	V	6		403															
1982 MAR 04	12 00E	0.1	0.242	W	5		429															
1982 MAR 17	12 00E	0.1	1.10	W	15		338															
1982 MAR 23	12 00E	0.1	0.896	W	8		366															
1982 MAR 30	12 00E	0.1	1.82	W	14		415															
1982 APR 07	12 00E	0.1	0.906	W	5		429															
1982 APR 14	13 25	2.0	60.8	H	1 120	K	301	R	15	20	32	48	83	81	92	98	100			19	61	20
1982 APR 21	12 00E	5.0	3.68	H	53		282															
1982 APR 27	12 00E	8.0	8.12	H	65		231															
1982 MAY 11	12 00E	10.0	3.82	H	9		285															
1982 MAY 19	12 00E	11.0	5.86	H	15		262															
1982 MAY 26	12 00E	8.0	3.81	H	37		259															
1982 JUN 02	12 00E	10.0	9.12	H	70		277															
1982 JUN 08	12 00E	10.0	5.84	H	29																	
1982 JUN 10	12 00E	12.5	4.08	H	14		284															
1982 JUN 14	12 00E	20.0	2.91	H	10		289															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE W - DAILY MEAN, ICE CONDITIONS

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

CONTINUED

MILK RIVER AT WESTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO. 11AA025 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1982 JUN 21	12:00E	22.0	2.05	H	3		278														
1982 JUN 23	12:00E	12.0	1.74	H	6		283														
1982 JUL 06	12:00E	18.0	1.55	H	8		328														
1982 JUL 14	12:00E	18.5	0.958	H	13		300														
1982 JUL 27	12:00E	23.0	0.255	H	22		332														
1982 AUG 03	12:00E	14.0	0.186	H	9		381														
1982 AUG 09	12:00E	18.0	0.037	H	9		466														
1982 AUG 17	12:00E	22.5	0.140	H	12		474														
1982 SEP 08	12:00E	14.0	0.017	H	11		585														
1982 SEP 27	12:00E	6.0	0.236	H	11		548														
1982 OCT 12	12:00E	12.0	0.460	H	12		354														
1982 NOV 02	12:00E	1.0	0.311	W	7		398														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN, ICE CONDITIONS

MILK RIVER NEAR PENDANT D'OREILLE - STATION NO. 11AA035

LOCATION LAT 48 07 25 N LONG 110 52 15 W
DRAINAGE AREA 6 040 km²
TYPE OF FLOW REGULATED SINCE 1916
TYPE OF GAUGE RECORDING

INTERNATIONAL GAUGING STATION

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1981 APR 14	12:00E	8.0	18.7	V	509		178														
1981 APR 29	12:00E	8.0	5.84	H	127		285														
1981 MAY 11	12:00E	10.0	23.5	H	942		232														
1981 MAY 20	12:15	18.0	38.9	H	1 860	K	309														
1981 MAY 26	12:00	19.0	36.8		1 720	K	287	15	24	35	48	60	78	92	98	100			22	54	24
1981 JUN 02	12:00E	16.0	25.4	H	428		209	13	20	28	33	39	54	78	96	99	100		46	34	20
1981 JUN 04	12:00E	18.0	24.4	H	370		183														
1981 JUN 08	12:00E	15.0	23.1	H	385		180														
1981 JUN 10	12:00E	18.0	23.2	H	529		188														
1981 JUN 17	10:35	13.0	41.9		2 680	K	265	17	26	36	46	55	69	83	88	100			31	43	26
1981 JUN 22	12:00E	16.0	21.8	H	557		197														
1981 JUN 24	12:00E	18.0	21.0	H	801		178														
1981 JUN 30	12:00E	23.0	21.7	H	833		183														
1981 JUL 07	10:45	18.0	22.7	H	1 480	K	148	32	41	52	63	73	81	92	99	100			19	40	41
1981 JUL 09	12:00E	21.0	19.2	H	502		157														
1981 JUL 15	12:00E	16.0	20.8	H	380		136														
1981 JUL 21	12:00E	21.0	20.3	H	386		140														
1981 JUL 22	12:00E	21.0	22.4	H	809		134														
1981 JUL 23	12:00E	19.0	20.0	H	674		122														
1981 JUL 28	12:00E	22.0	22.0	H	556		130														
1981 AUG 03	12:00E	20.0	19.4	H	672		124														
1981 AUG 05	12:00E	22.0	19.3	H	476		118														
1981 AUG 19	12:00E	21.0	17.5	H	571		118														
1981 AUG 26	12:00E	24.0	16.3	H	515		116														
1981 SEP 01	12:00E	16.0	16.1	H	288		119														
1981 SEP 02	12:00E	16.0	15.5	H	328		118														
1981 SEP 08	12:00E	22.0	16.0	H	364		111														
1981 SEP 10	12:00E	19.0	15.8	H	439		112														
1981 SEP 22	12:00E	12.0	16.0	H	375		199														
1981 SEP 23	12:00E	11.0	15.6	H	468		217														
1981 OCT 06	12:00E	9.0	3.48	V	36		339														
1981 OCT 07	12:00E	10.0	3.07	H	24		428														
1981 OCT 15	12:00E	6.5	2.20	H	41																
1981 NOV 03	12:00E	8.0	1.72	V	10																
1982 APR 28	12:00E	10.0	14.5	V	1 150		232														
1982 MAY 18	19:40	12.0	24.4	H	858	K	183	16	21	30	42	55	72	92	89	100			28	51	21
1982 MAY 26	09:50	14.0	25.7	H	715	K	175	15	20	29	41	54	70	89	97	98	99		30	50	20
1982 JUN 03	14:45	13.0	29.1		1 900	K	338	5	8	11	14	19	27	48	87	100			73	19	8
1982 JUN 08	12:00E		25.3	H	787		268														
1982 JUN 16	12:00E	19.0	19.8	H	477		242														
1982 JUN 22	12:00E		17.6	H	713		202														
1982 JUL 06	12:00E	17.0	18.5	H	410		183														
1982 JUL 12	12:00E	19.0	19.7	H	394		135														
1982 JUL 28	12:00E	20.0	18.5	H	581		124														
1982 AUG 03	12:00E	16.0	3.80	H	91		188														
1982 AUG 10	12:00E	26.0	1.20	H	15		345														
1982 AUG 18	12:00E	25.0	0.707	V	10		462														
1982 AUG 29	12:00E	22.0	0.580	Y	8		517														
1982 SEP 09	12:00E	18.0	0.277	V	8		587														
1982 OCT 05	12:00E	6.0	1.48	H	38		507														
1982 OCT 13	12:00E	11.0	1.31	H	13		614														
1982 NOV 03	12:00E	1.0	0.614	W	30		536														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE W - DAILY MEAN, ICE CONDITIONS
Y - DAILY MEAN, ESTIMATED

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

ALBERTA

MILK RIVER NEAR WRITING-ON-STONE PARK - STATION NO. 11AA034

LOCATION: LAT 48 05 16 N LONG 111 32 05 W
DRAINAGE AREA: 4 380 km²
TYPE OF FLOW: REGULATED SINCE 1916
TYPE OF GAUGE: RECORDING

INTERNATIONAL GAUGING STATION

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1981 APR 14	12:00E	9.0	18.7	387	151														
1981 MAY 12	12:00E	10.0	21.7	389	221														
1981 MAY 20	14:10		32.5	1 210 K	266	15	25	36	45	57	70	85	95	98	99		30	45	25
1981 MAY 26	08:55	16.0	32.3	1 000 K	276	9	14	22	29	34	48	68	90	100			54	32	14
1981 JUN 02	12:00E	11.0	26.5	397	175														
1981 JUN 04	12:00E	15.0	25.1	501	168														
1981 JUN 08	12:00E	17.0	25.0	314	147														
1981 JUN 10	12:00E	15.5	24.9	466	145														
1981 JUN 17	12:00E	12.5	33.0	706	243														
1981 JUN 22	12:00E	17.0	25.0	547	180														
1981 JUN 24	12:00E	15.0	24.8	542	155														
1981 JUN 30	12:00E	22.0	21.9	255	140														
1981 JUL 07	12:00E	20.0	18.0	273	131														
1981 JUL 09	12:00E	18.0	19.1	348	126														
1981 JUL 14	12:00E	14.0	20.3	350	104														
1981 JUL 21	12:00E	20.0	18.8	343	131														
1981 JUL 23	12:00E	20.0	20.8	328	127														
1981 JUL 28	12:00E	20.0	21.7	226	127														
1981 AUG 04	12:00E	17.0	19.5	247	114														
1981 AUG 19	12:00E	23.0	17.9	189	108														
1981 AUG 26	12:00E	23.0	18.4	162	109														
1981 SEP 01	12:00E	17.0	18.6	362	114														
1981 SEP 02	12:00E	15.0	18.7	280	113														
1981 SEP 09	12:00E	20.0	16.3	185	112														
1981 SEP 10	12:00E	17.0	16.2	159	110														
1981 SEP 22	12:00E	11.0	16.3	100	110														
1981 SEP 23	12:00E	9.0	16.3	220	110														
1981 OCT 06	12:00E	9.0	1.86	32	244														
1981 OCT 07	12:00E	11.0	1.76	21	269														
1981 OCT 14	12:00E	5.0	1.82	23	333														
1981 NOV 03	12:00E	6.0	1.76	15	195														
1982 APR 28	12:00E	8.0	10.5	304	264														
1982 MAY 11	13:05	8.0	20.2	723 K	206	13	20	30	43	52	80	73	83	90	93		40	40	20
1982 MAY 19	16:25	13.0	24.6	518 K	177	15	20	34	48	60	75	90	98	99	100		28	56	20
1982 MAY 26	12:00E	12.0	24.3	446	175														
1982 JUN 02	12:00E	10.0	25.2	434	301														
1982 JUN 04	12:00E	13.0	22.1	240	246														
1982 JUN 09	12:00E		21.3	281	243														
1982 JUN 15	12:00E	17.0	18.0	335	185														
1982 JUN 22	12:00E	21.0	20.4	300	180														
1982 JUL 06	12:00E	17.0	21.5	232	149														
1982 JUL 12	12:00E	21.0	20.0	219	148														
1982 JUL 28	13:00E	23.0	17.2	181	107														
1982 AUG 03	12:00E	18.0	1.50	100	209														
1982 AUG 09	12:00E	17.0	0.874 V	11	350														
1982 AUG 18	12:00E	18.0	0.840 H	8	439														
1982 AUG 29	12:00E	18.0	0.848 H	8	501														
1982 SEP 08	12:00E	13.0	0.391 H	4	529														
1982 OCT 05	12:00E	4.5	1.48 H	18	471														
1982 OCT 13	12:00E	7.0	1.16 H	10	455														
1982 NOV 03	12:00E	1.0	0.298 W	5	509														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

MILL CREEK NEAR THE MOUTH - STATION NO. 05AA011

LOCATION: LAT 49 28 10 N LONG 114 05 00 W
DRAINAGE AREA: 178 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 04	17:50				10	178														
1971 MAY 04	17:51				1	190														
1971 MAY 05	08:45				130	154														
1971 MAY 05	09:46				124	185														
1971 MAY 06	13:00				317	148														
1971 MAY 06	13:01				411	157														
1971 MAY 07	12:30				135	170														
1971 MAY 07	12:31				50	167														
1971 MAY 23	19:30				55	183														
1971 MAY 23	19:31				83	185														
1971 JUN 01	18:00				28	125														
1971 JUN 01	18:01				23	136														
1971 JUN 05	17:00				14	112														
1972 MAR 24	12:00E		1.50	W	17															
1972 MAY 04	12:00E		4.53	H	23															
1972 MAY 18	12:00E		15.4	H	87															
1972 MAY 19	12:00E		14.1	H	80															
1972 MAY 21	12:00E		14.5	H	87															
1972 MAY 22	12:00E		15.3	H	54															
1972 MAY 23	12:00E		14.2	H	37															
1972 MAY 25	12:00E		23.7	H	346															
1972 JUN 01	12:00E		28.2	H	537															
1972 JUN 02	12:00E		23.4	H	239															
1972 JUN 03	12:00E		18.7	H	169															
1972 JUN 06	12:00E		16.1	H	73															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN, ICE CONDITIONS

MISTAYA RIVER NEAR SASKATCHEWAN CROSSING - STATION NO. 05DA007

LOCATION: LAT 51 53 04 N LONG 116 41 17 W
DRAINAGE AREA: 249 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 12	13:45			16	125														

MUSKEG RIVER NEAR FORT MACKAY - STATION NO. 07DA008

LOCATION: LAT 57 11 30 N LONG 111 34 05 W
DRAINAGE AREA: 1 460 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1976 APR 08	12:00E		7.08	W	13															
1976 APR 09	12:00E	1.0	9.63	W	11															
1976 APR 11	12:00E	1.0	15.4	V	41															
1976 APR 13	12:00E	1.0	13.1	V	18															
1976 APR 20	12:00E	3.0	9.88	V	28															
1976 APR 27	12:00E	8.0	6.43	V	7															
1976 MAY 28	12:00E	15.0	1.67	H	5															
1976 JUL 05	12:00E	20.0	0.445	H	4															
1976 AUG 03	12:00E	22.0	0.977	H	3															
1976 SEP 02	12:00E	14.0	2.63	H	3															
1976 SEP 15	12:00E	11.0	4.11	H	4															
1976 NOV 02	12:00E	1.0	3.28	W	5															
1977 APR 12	12:00E	0.1	2.55	W	14															
1977 APR 14	12:00E	0.1	4.84	W	15															
1977 APR 16	12:00E	1.0	6.03	W	13															
1977 APR 20	12:00E	1.0	10.3	W	26															
1977 APR 22	12:00E	1.0	8.81	W	18															
1977 MAY 02	12:00E	8.0	5.10	H	6															
1977 JUN 04	12:00E	10.0	4.87	H	7															
1977 JUN 29	12:00E	15.0	1.62	H	5															
1977 JUL 28	12:00E	15.0	3.79	H	6															
1977 AUG 25	12:00E	12.0	1.18	H	3															
1977 SEP 22	12:00E	11.0	1.97	H	3															
1977 OCT 20	12:00E	3.0	4.45	H	5															
1978 APR 21	12:00E	0.1	2.87	W	12															
1978 APR 24	12:00E	0.1	7.39	W	15															
1978 MAY 01	12:00E		10.4	H	15															
1978 MAY 30	12:00E	11.0	8.24	H	5															
1978 JUN 26	12:00E	17.0	3.74	H	3															
1978 JUL 24	12:00E	20.0	0.894	H	5															
1978 AUG 21	12:00E	12.0	5.04	H	3															
1978 SEP 18	12:00E	8.0	24.0	H	4															
1979 MAY 02	12:00E	1.0	24.6	H	13	95														
1979 MAY 30	12:00E	9.0	18.9	H	5	141														
1979 JUN 25	12:00E	17.0	5.22	H	7	188														
1979 JUL 25	12:00E	18.0	1.44	Y	8	315														
1979 AUG 23	12:00E	16.0	2.22	H	5	233														
1979 SEP 19	12:00E	11.0	7.16	H	5	202														
1979 OCT 18	12:00E	4.0	4.23	H	6	201														
1980 APR 24	12:00E	7.0	3.45	H	18	132														
1980 MAY 25	12:00E	11.0	0.584	H	7	241														
1980 JUN 24	12:00E	21.0	0.269	H	8	282														
1980 JUL 25	12:00E	17.0	1.03	Y	8	318														
1980 AUG 26	12:00E	12.0	5.03	H	8	231														
1980 SEP 19	12:00E	8.0	16.8	H	9	184														
1980 OCT 26	12:00E	2.0	5.73	H	6	193														
1981 MAY 27	12:00E	16.0	2.75	V	3	196														
1981 JUL 15	12:00E	20.0	8.06	H	8	215														
1981 AUG 29	12:00E	16.0	0.150	H	3	300														
1982 MAY 19	12:00E	3.0	13.1	H	8 K	188 K														
1982 JUN 25	12:00E	16.0	1.30	H	4 K	290 K														
1982 AUG 03	12:00E	16.0	0.916	H	4 K	267 K														
1982 SEP 15	12:00E	9.0	0.876	H	5 K	284 K														
1983 APR 27	12:00E	4.0	3.94	H	11	180														
1983 JUN 27	12:00E	18.0	0.872	H	5	231														
1983 AUG 07	12:00E	19.0	1.68	H	3	284														
1983 SEP 17	12:00E	10.0	0.438	H	3	339														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS
Y - DAILY MEAN; ESTIMATED

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

DISSOLVED SOLIDS SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

NORTH FORK MILK RIVER ABOVE ST. MARY CANAL - STATION NO. 11AA032

LOCATION: LAT 48 58 15 N LONG 113 03 19 W
DRAINAGE AREA: 186 km^2
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INTERNATIONAL GAUGING STATION

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1974 MAY 07	12:00E	7.8	1.22 H	18															
1974 MAY 14	12:00E	11.1	0.878 H	10															
1974 JUN 11	12:00E	13.3	0.595 H	32															
1974 JUL 15	12:00E	17.2	0.340 H	3															
1974 AUG 27	12:00E	13.3	0.368 H	3															
1974 SEP 18	12:00E	12.8	0.311 H	21															
1974 OCT 16	12:00E	8.3	0.311 H	2															
1975 APR 03	12:00E	1.0	0.368 W	22															
1975 APR 17	12:00E	1.0	0.623 W	17															
1975 MAY 14	12:00E	10.0	3.91 H	115															
1975 JUN 20	12:00E	11.0	18.8 H	323															
1975 JUN 21	12:00E	14.0	3.80 H	105															
1975 JUL 15	12:00E	19.0	1.25 H	11															
1975 AUG 12	12:00E	15.0	0.878 H	15															
1975 SEP 17	12:00E	9.0	1.02 H	6															
1975 OCT 01	12:00E	12.0	0.765 H	8															
1975 OCT 30	12:00E	4.0	0.991 H	7															
1976 MAR 31	12:00E	4.0	1.25 H	69															
1976 APR 13	12:00E	7.0	1.13 H	20															
1976 MAY 11	12:00E	8.0	0.991 H	33															
1976 JUN 15	12:00E	9.0	0.934 H	47															
1976 JUL 14	12:00E	15.0	0.595 H	9															
1976 AUG 17	12:00E	14.0	0.566 H	11															
1976 SEP 14	12:00E	14.0	0.396 H	14															
1976 OCT 14	12:00E	7.0	0.425 H	2															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN, ICE CONDITIONS

NORTH MILK RIVER NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA001

LOCATION LAT 49 01 19 N LONG 112 58 16 W
DRAINAGE AREA: 236 km^2
TYPE OF FLOW: REGULATED SINCE 1916
TYPE OF GAUGE: RECORDING

INTERNATIONAL GAUGING STATION

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1974 MAY 07	12:00E	8.5	21.9	H	82															
1974 MAY 13	12:00E	7.2	21.6	H	61															
1974 JUN 11	12:00E	13.3	16.1	H	49															
1974 JUN 20	12:00E	14.4	15.2	H	57															
1974 JUL 15	12:00E	15.5	19.7	H	34															
1974 AUG 13	12:00E	12.2	19.1	H	18															
1974 SEP 19	12:00E	13.5	17.9	H	14															
1974 SEP 26	12:00E	10.0	2.32	H	10															
1974 OCT 17	12:00E		0.331	H	22															
1982 MAR 02	12:00E	0.1	0.380	W	5	287														
1982 MAR 17	12:00E	0.1	0.816	W	8	277														
1982 MAR 23	12:00E	0.1	0.657	W	5	284														
1982 MAR 30	12:00E	0.1	0.931	W	12	286														
1982 APR 07	12:00E	0.1	0.685	W	8	287														
1982 APR 15	12:00E	0.1	5.08	W	129	149														
1982 APR 21	12:00E	0.1	1.83	W	42	281														
1982 APR 26	12:00E	10.0	1.61	H	34	258														
1982 MAY 11	12:00E	8.0	15.2	H	137	135														
1982 MAY 18	12:00E	9.0	18.1	H	110	115														
1982 MAY 19	12:00E	8.0	19.1	H	139	135														
1982 MAY 25	12:00E	12.0	19.5	H	108	131														
1982 MAY 26	12:00E	8.0	19.8	H	104	128														
1982 JUN 02	12:00E	9.0	12.9	H	38	137														
1982 JUN 08	12:00E		13.2	H	26	132														
1982 JUN 10	12:00E	12.0	12.9	H	23	108														
1982 JUN 14	12:00E	17.0	12.7	H	26	101														
1982 JUN 15	12:00E	18.0	12.8	H	24	102														
1982 JUN 21	12:00E	15.0	18.5	H	83	99														
1982 JUN 23	12:00E	15.0	20.1	H	88	89														
1982 JUL 06	12:00E	14.0	17.0	H	33	80														
1982 JUL 07	12:00E	11.0	17.5	H	35	86														
1982 JUL 13	12:00E	12.0	18.1	H	36	80														
1982 JUL 14	12:00E	12.0	18.0	H	51	118														
1982 JUL 27	12:00E	18.0	15.2	H	26	111														
1982 JUL 28	12:00E	20.0	10.5	H	22	101														
1982 AUG 03	12:00E	13.0	0.717	H	5	174														
1982 AUG 09	12:00E	17.5	0.402	H	2	203														
1982 AUG 16	12:00E	17.0	0.347	H	2	217														
1982 AUG 17	12:00E	18.0	0.343	H	5	219														
1982 SEP 08	12:00E	12.5	0.307	H	4	235														
1982 SEP 27	12:00E	5.0	0.525	H	5	237														
1982 OCT 12	12:00E	8.0	0.401	H	3	251														
1982 NOV 02	12:00E	1.0	0.551	W	4	259														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS

NORTH SASKATCHEWAN RIVER AT EDMONTON - STATION NO. 05DF001

LOCATION: LAT 53 32 15 N LONG 113 29 04 W
DRAINAGE AREA: 28 000 km²
TYPE OF FLOW: REGULATED SINCE 1960
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1974 JUL 13	12:00E		753	H	1 580																
1974 JUL 14	12:00E		617	H	749																
1974 JUL 15	12:00E		438	H	335																
1974 JUL 16	12:00E		374	H	220																
1975 MAY 02	12:00E	4.0	343	H	93																
1975 MAY 16	12:00E	13.0	185	H	97																
1975 JUL 02	12:00E	22.0	188	H	42																
1975 AUG 07	12:00E		127	H	7																
1975 AUG 19	12:00E	15.0	110	H	11																
1975 AUG 20	12:00E		112	H	6																
1975 SEP 23	12:00E		88.8	H	3																
1976 APR 09	12:00E		218	W	143																
1976 APR 27	12:00E	9.0	120	H	88																
1976 JUN 21	12:00E		183	H	48																
1976 JUL 22	12:00E	17.0	172	H	34																
1977 MAY 12	12:00E		284	H	126																
1977 MAY 30	15:50		903	H	2 460	R		17	21	34	47	62	79	91	97	99	99		21	58	21
1977 MAY 31	08:40		920	H	1 510	K		16	17	31	46	63	80	95	99	100			20	63	17
1977 JUN 03	12:00E		637	H	555																
1977 JUN 06	12:00E	15.0	388	H	279																
1977 JUN 07	12:00E		391	H	245																
1977 JUN 08	12:00E		320	H	134																
1977 JUN 23	12:00E		317	H	78																
1977 JUL 28	12:00E		218	H	37																
1977 SEP 28	12:00E		245	H	25																
1978 APR 25	12:00E	5.0	188	H	102																
1978 APR 28	12:00E		188	H	274																
1978 MAY 19	12:00E		289	H	113																
1978 JUN 08	12:00E	18.0	680	H	777																
1978 JUN 09	12:00E	17.0	617	H	543																
1978 JUN 30	12:00E	20.0	447	H	128																
1978 JUL 14	12:00E		827	H	738																
1978 AUG 31	12:00E	20.0	175	H	7																
1978 SEP 15	12:00E	11.0	459	H	137																
1978 SEP 28	12:00E	10.0	218	H	28																
1978 NOV 02	12:00E	4.0	188	H	16																
1979 APR 27	12:00E	2.0	347	H	400		172														
1979 MAY 10	12:00E	12.0	252	H	173		205														
1979 JUN 01	12:00E	15.0	188	H	74		177														
1979 JUN 28	12:00E	22.0	233	H	39		185														
1979 JUL 26	12:00E	22.0	173	H	22		171														
1979 AUG 23	12:00E	22.0	148	H	7		163														
1979 SEP 27	12:00E	16.0	110	H	8		183														
1979 NOV 01	12:00E	3.0	88.3	H	8		182														
1980 JUN 02	12:00E	15.0	287	H	142		197														
1980 JUL 14	12:00E	18.0	284	V	65		188														
1980 AUG 14	12:00E	17.0	270	H	32		203														
1980 SEP 26	12:00E	9.0	248	H	28		202														
1981 MAY 07	12:00E	8.0	229	H	64		198														
1981 MAY 28	12:00	10.0	565		287	K	197	17	23	37	54	66	72	84	93	99			28	49	23
1981 JUN 25	12:00E	12.0	175	H	102		204														
1982 MAY 27	12:00E	11.0	174	H	44		223														
1982 JUN 23	12:00E	18.0	293	H	77		180														
1982 JUL 07	16:00	18.0	1 730		1 980	K	171	11	15	24	34	51	80	98	100				20	65	15
1982 AUG 10	12:00E	18.0	83.0	Y	11		208														
1982 SEP 08	12:00E	15.0	201	H	16		214														
1982 OCT 04	12:00E	9.0	208	H	24		193														
1983 APR 28	12:00E	4.0	432	H	398		190														
1983 JUN 01	12:00E	13.0	242	H	76		198														
1983 JUN 29	12:00E	14.0	251	H	133		232														
1983 JUL 19	12:00E	20.0	328	H	147		217														
1983 AUG 31	12:00E	15.0	130	H	8		178														
1983 SEP 29	12:00E	6.0	117	H	30		206														
1983 NOV 03	12:00E	5.0	147	H	10		184														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN, ICE CONDITIONS
Y - DAILY MEAN; ESTIMATED

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL R - SAMPLES COLLECTED IN SEVERAL VERTICALS

ALBERTA

NORTH SASKATCHEWAN RIVER AT SAUNDERS - STATION NO. 05DC002

LOCATION: LAT 52 27 10 N LONG 115 45 20 W
DRAINAGE AREA: 5 180 km²
TYPE OF FLOW: REGULATED SINCE 1972
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JUN 24	12:00E	10.0	77.0	H	10															
1975 JUL 22	12:00E	8.0	54.4	H	3															
1975 SEP 16	12:00E	10.0	45.9	H	9															
1975 OCT 15	12:00E	6.0	83.0	H	7															
1975 NOV 04	12:00E	5.0			24															
1976 APR 27	12:00E	4.0	.		5															
1976 MAY 18	12:00E	8.0	84.6	H	9															
1976 JUN 16	12:00E	12.0	100	H	12															
1976 JUL 13	12:00E	14.0	73.6	H	34															
1976 AUG 11	12:00E	13.0	89.2	H	19															
1976 SEP 09	12:00E		116	H	21															
1976 OCT 05	12:00E	6.0	85.8	H	5															
1977 APR 27	12:00E	5.0			9															
1977 MAY 26	12:00E	8.0	46.7	H	19															
1977 JUN 16	12:00E	10.0	49.3	H	28															
1977 AUG 11	12:00E	12.0	70.2	H	5															
1977 SEP 12	12:00E	10.0	94.6	H	4															
1978 APR 26	12:00E				22															
1978 JUN 01	12:00E		104	H	111															
1978 JUN 20	12:00E		129	H	48															
1978 JUL 28	12:00E		104	H	14															
1978 AUG 29	12:00E		42.5	H	3															
1978 SEP 26	12:00E		53.8	H	6															
1978 OCT 31	1:00E		94.0	V	9															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE

NORTH SASKATCHEWAN RIVER AT WHIRLPOOL POINT - STATION NO. 05DA009

LOCATION: LAT 52 00 05 N LONG 116 28 10 W
DRAINAGE AREA: 1 920 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1982 JUN 08	12:00E	8.5	58.8	V	32	144														
1982 JUN 10	12:00E	9.0	70.9	V	40	140														
1982 JUL 08	12:00E	12.0	155	V	74	98														
1982 JUL 27	12:00E	12.0	182	V	128	104														
1982 AUG 17	12:00E	11.0	108	V	75	102														
1982 SEP 14	12:00E	8.0	73.0	H	46	108														
1982 OCT 19	12:00E	4.0	28.6	H	7	136														
1983 APR 26	12:00E	3.0	12.4	H	9	194														
1983 MAY 31	12:00E	11.0	194	H	241	124														
1983 JUN 21	12:00E	10.0	88.7	H	19	125														
1983 JUL 19	12:00E	9.5	126	H	69	101														
1983 AUG 23	12:00E	9.5	113	H	74	89														
1983 SEP 19	12:00E	5.0	33.6	H	27	130														
1983 OCT 18	12:00E	3.0	14.8	H	2	151														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE

NORTH SASKATCHEWAN RIVER NEAR ROCKY MOUNTAIN HOUSE - STATION NO. 05DC001

LOCATION: LAT 52 22 51 N LONG 114 56 21 W
DRAINAGE AREA: 11 000 km²
TYPE OF FLOW: REGULATED SINCE 1972
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1970 JUL 16	12:00E	16.7	278	H	156 R	146 R														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN
CONCENTRATION SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS
DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

ALBERTA

NOTIKEWIN RIVER AT MANNING - STATION NO. 07HC001

LOCATION: LAT 56 55 10 N LONG 117 37 05 W
DRAINAGE AREA: 4 680 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1974 SEP 18	12:00E	11.7	22.7	H	61																
1974 NOV 01	12:00E	0.5	5.10	W	8																
1975 APR 25	12:00E		26.5	W	497																
1975 APR 26	12:00E	2.0	41.3	H	611																
1975 MAY 02	12:00E	1.0	35.7	H	466																
1975 MAY 09	12:00E	2.0	39.1	H	387																
1975 JUN 06	12:00E	12.0	23.0	H	45																
1975 JUL 11	12:00E	23.0	10.7	H	25																
1975 AUG 11	12:00E	18.0	1.35	H	4																
1975 SEP 12	12:00E	11.0	4.78	H	11																
1975 OCT 03	12:00E	9.0	1.52	H	6																
1975 OCT 31	12:00E	1.0	1.20	W	6																
1976 APR 19	12:00E	0.1	31.1	H	323																
1976 APR 22	12:00E	5.0	28.1	H	304																
1976 MAY 04	12:00E	10.0	44.6	H	602																
1976 MAY 31	12:00E	13.0	9.77	H	21																
1976 JUN 25	12:00E	14.0	20.3	H	83																
1976 JUN 29	12:00E	11.0	148	H	2 520																
1976 JUL 30	12:00E	18.0	11.4	H	122																
1976 AUG 23	12:00E	14.0	89.5	H	700																
1976 OCT 01	12:00E	9.0	5.41	H	13																
1977 APR 18	12:00E	3.0	30.3	H	291																
1977 JUN 20	12:00E	22.0	39.9	H	185																
1977 JUL 28	12:00E	18.0	7.39	H	13																
1977 SEP 06	12:00E	10.0	10.4	H	18																
1977 OCT 07	12:00E	4.0	8.78	H	23																
1977 OCT 25	12:00E	3.0	9.74	H	25																
1978 MAY 25	15:20	8.0	309		3 400	K		26	32	43	57	70	81	88	94	97	98		19	48	32
1978 JUL 24	12:00E	22.0	2.57	H	8																
1978 AUG 31	12:00E	18.0	3.82	H	8																
1978 OCT 03	12:00E	9.0	8.92	H	19																
1978 OCT 27	12:00E	4.0	4.22	V	12																
1979 MAY 11	12:00E	7.0	73.7	H	2 080		138														
1979 MAY 18	12:00E	6.0	122	H	1 930		138														
1979 JUN 04	12:00E	13.0	104	H	1 120		144														
1979 JUL 09	12:00E	19.0	40.2	H	139		143														
1979 AUG 10	12:00E	18.0	16.8	H	50		194														
1979 SEP 21	12:00E	9.0	8.55	H	12		179														
1979 OCT 26	12:00E	1.0	1.98	H	8																
1980 APR 25	12:00E	8.0	7.57	H	59		148														
1980 JUL 03	12:00E	19.0	6.50	H	61		178														
1980 AUG 12	12:00E	18.0	11.0	H	29		184														
1980 SEP 02	12:00E	14.0	8.46	V	18		154														
1980 SEP 26	12:00E	6.0	31.3	H	183		180														
1981 MAY 25	12:00E	17.0	25.9	H	84		140														
1981 JUN 29	12:00E	17.0	21.9	H	89		133														
1981 JUL 23	12:00E	18.0	3.68	H	10		203														
1981 AUG 31	12:00E	11.0	0.212	H	24		256														
1981 SEP 28	12:00E	6.0	0.284	H	10		303														
1981 OCT 26	12:00E	0.1	1.29	W	9		328														
1982 MAY 03	14:35	3.5	84.8	H	1 850	K	184	22	27	43	60	74	85	89	94	96	98		14	59	27
1982 JUN 02	12:00E	17.0	11.9	H	24		174														
1982 JUL 23	12:00E	15.0	0.757	H	2		284														
1982 AUG 26	12:00E		4.91	H	9		208														
1983 MAY 27	12:00E	13.0	17.6	H	32																
1983 JUN 21	12:00E	12.0	178	V	3 680		289														
1983 JUN 23	12:25	13.0	111		1 810	K	182	23	28	42	55	69	80	89	95	99	100		20	52	28
1983 AUG 04	12:00E	12.5	24.7	H	136																
1983 SEP 01	12:00E	12.5	2.84	H	7		271														
1983 SEP 30	12:00E	3.0	3.32	H	9		243														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

OLDMAN RIVER NEAR WALDRON'S CORNER - STATION NO. 05AA023

LOCATION: LAT 49 48 50 N LONG 114 11 00 W
DRAINAGE AREA: 1 440 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 04	11:05				50	130														
1971 MAY 04	11:06				65	128														
1971 MAY 04	11:07				38	130														
1971 MAY 04	11:08				38	136														
1971 MAY 05	18:15				41	125														
1971 MAY 05	18:16				40	126														
1971 MAY 05	18:17				31	126														
1971 MAY 06	18:15				14	140														
1971 MAY 06	18:16				26	140														
1971 MAY 06	18:17				22	140														
1971 MAY 23	15:00				14	144														
1971 MAY 23	15:01				20	138														
1971 MAY 23	15:02				18	125														
1971 JUN 01	11:00				38	127														
1971 JUN 01	11:01				35	122														
1971 JUN 01	11:02				38	110														
1971 JUN 05	13:00				117	128	10	19	34	51	84	77	90	98	99	100		23	58	19
1975 MAY 15	12:00E	3.0	87.4	H	78															
1975 JUN 12	12:00E	4.0	56.4	H	15															
1975 JUN 20	12:00E	13.0	288	H	1 580															
1975 JUN 21	12:00E	7.0	185	H	2 820															
1975 JUN 25	12:00E	7.0	88.9	H	85															
1975 JUL 15	12:00E	11.0	35.1	H	5															
1975 AUG 12	12:00E	4.0	9.80	H	1															
1975 SEP 05	12:00E	9.0	7.16	H	5															
1975 OCT 09	12:00E	2.0	5.89	H	1															
1975 NOV 06	12:00E	4.0	7.16	H	1															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

PADDLE RIVER AT BARRHEAD - STATION NO. 07BB005

LOCATION: LAT 54 06 45 N LONG 114 23 55 W
DRAINAGE AREA: 3 380 km²
TYPE OF FLOW: REGULATED SINCE 1984
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 APR 17	12:00E	1.0	24.0	W	88															
1975 APR 21	12:00E	1.0	30.3	W	189															
1975 APR 22	12:00E	2.0	34.0	W	319															
1975 APR 24	12:00E	5.0	28.0	H	331															
1975 MAY 05	12:00E	5.0	9.54	H	76															
1975 MAY 07	12:00E		14.8	H	216															
1976 APR 08	12:00E	7.0	28.2	H	491															
1976 APR 12	12:00E	10.0	24.1	H	288															
1976 APR 15	12:00E	5.0	21.4	H	246															
1976 APR 21	12:00E		11.0	H	92															
1976 APR 30	12:00E		5.95	H	33															
1976 MAY 20	12:00E		1.23	H	6															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS

PADDLE RIVER NEAR ROCHFORT BRIDGE - STATION NO. 07BB004

LOCATION: LAT 53 53 44 N LONG 115 02 27 W
DRAINAGE AREA: 825 km²
TYPE OF FLOW: REGULATED SINCE 1984
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1974 JUL 14	12:00E	15.0	33.4	H	422																
1974 AUG 29	12:00E	18.7	0.455	H	11																
1974 SEP 25	12:00E	11.7	0.198	H	29																
1974 OCT 31	12:00E	2.8	0.365	V	10																
1975 APR 14	12:00E	1.0	6.92	W	115																
1975 APR 17	12:00E	1.0	5.01	W	200																
1975 APR 21	12:00E	1.0	4.16	W	128																
1975 APR 30	12:00E	3.0	4.30	H	105																
1975 MAY 05	12:00E	5.0	11.9	H	1 270																
1975 MAY 06	12:00E	5.0	19.7	H	801																
1975 MAY 07	12:00E	5.0	11.4	H	403																
1975 MAY 08	12:00E	5.0	7.14	H	217																
1975 MAY 13	12:00E	5.0	2.86	H	45																
1975 MAY 26	12:00E	12.0	2.02	H	15																
1975 JUN 17	12:00E	13.0	0.671	H	5																
1975 JUL 14	12:00E		0.428	H	14																
1975 AUG 18	12:00E	11.0	0.283	H	8																
1975 SEP 24	12:00E	12.0	0.294	H	7																
1976 APR 03	12:00E		6.65	W	382																
1976 APR 08	12:00E		13.0	W	882																
1976 APR 08	12:00E		10.2	H	542																
1976 APR 09	12:00E	5.0	9.34	H	438																
1976 APR 12	12:00E	8.0	8.72	H	311																
1976 APR 13	12:00E	5.0	8.38	H	384																
1976 APR 15	12:00E	3.0	6.12	H	183																
1976 APR 20	12:00E	6.0	3.34	H	64																
1976 APR 21	12:00E		2.92	H	48																
1976 APR 28	12:00E	9.0	1.84	H	21																
1976 APR 30	12:00E		1.54	H	21																
1976 MAY 18	12:00E	11.0	0.479	H	7																
1976 MAY 20	12:00E		0.430	H	5																
1976 JUN 22	12:00E	17.0	0.592	H	8																
1976 JUL 19	12:00E	21.0	0.198	H	7																
1976 AUG 10	12:00E	19.0	2.26	H	71																
1976 AUG 23	12:00E	18.0	0.544	H	32																
1976 SEP 21	12:00E		0.348	H	24																
1977 APR 08	12:00E	0.1	9.09	H	285																
1977 APR 10	12:00E	1.0	11.3	H	428																
1977 APR 14	12:00E	1.0	4.62	H	121																
1977 APR 21	12:00E	2.0	1.20	H	34																
1977 MAY 09	12:00E	12.0	11.9	H	253																
1977 MAY 30	12:00E		75.3	H	880																
1977 JUN 01	12:00E	13.0	16.7	H	507																
1977 JUN 23	12:00E	20.0	0.388	H	11																
1977 AUG 25	12:00E	12.0	0.623	Y	17																
1977 SEP 29	12:00E	7.0	4.33	H	81																
1978 APR 21	12:00E	3.0	3.31	H	106																
1978 MAY 16	12:00E	13.0	5.58	H	231																
1978 JUN 05	12:00E	19.0	1.78	H	44																
1978 JUN 15	12:00E	17.0	11.3	H	1 430																
1978 JUN 17	12:00E	14.0	11.5	H	453																
1978 JUN 26	12:00E	18.0	1.34	H	38																
1978 JUL 17	12:00E	19.0	2.51	H	72																
1978 AUG 28	12:00E	15.0	1.19	H	18																
1978 SEP 13	12:00E	11.0	12.7	H	178																
1978 SEP 25	12:00E	8.0	2.28	H	30																
1978 OCT 30	12:00E	1.0	0.868	W	22																
1979 APR 24	13:00	3.0	28.9		1 800	K	181	19	25	34	44	55	70	84	94	98	100		30	44	25
1979 APR 30	12:00E	5.0	14.5	H	372		121														
1979 MAY 28	12:00E	12.0	3.35	V	80		208														
1979 JUN 16	12:00E	14.0	22.6	H	588		187														
1979 JUN 25	12:00E	16.0	5.15	V	104		208														
1979 JUL 23	12:00E	19.0	1.69	H	29		238														
1979 AUG 20	12:00E	19.0	0.219	H	6		328														
1979 SEP 24	12:00E	11.0	0.126	H	14		336														
1979 OCT 29	12:00E	2.0	0.281	V	41		353														
1980 APR 15	17:45	5.0	11.9		836	K	158	21	28	39	50	63	75	85	92	96	98		25	47	28
1980 APR 22	12:00E	8.0	3.87	H	86		175														
1980 MAY 12	12:00E	15.0	0.712	H	17		289														
1980 MAY 26	12:00E	11.0	4.71	H	227		335														
1980 JUN 11	12:00E	16.0	2.69	H	71		236														
1980 JUN 25	11:40	15.0	33.3		842	K	188	24	30	40	51	62	75	91	98	100			25	45	30
1980 JUN 26	11:50	15.0	37.4		918	K	179	22	32	42	52	62	75	88	98	100			25	43	32
1980 JUL 07	12:00E	15.0	3.84	H	75		241														
1980 AUG 11	12:00E	17.0	3.49	H	58		243														
1980 SEP 11	12:00E	12.0	0.579	H	21		324														
1980 OCT 14	12:00E	7.0	0.813	H	18		338														
1981 APR 21	12:00E	7.0	2.82	H	76		268														
1981 MAY 18	12:00E	18.0	1.73	H	22		289														
1981 JUN 18	12:00E	14.0	1.48	H	25		256														
1981 JUL 08	12:00E	20.0	0.218	H	10		322														
1981 AUG 10	12:00E	25.0	0.411	H	12		282														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS
Y - DAILY MEAN; ESTIMATED

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

CONTINUED

PADDLE RIVER NEAR ROCHFORT BRIDGE - STATION NO. 07BB004 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1981 SEP 07	12:00E	18.0	0.184	H	67	324														
1981 OCT 08	12:00E	5.0	0.184	H	73	353														
1982 JUL 07	17:10	17.0	18.1	H	408	K 214	21	30	44	51	84	78	92	97	99	99		23	48	30
1982 JUL 28	12:00E	23.0	0.890	H	35	267														
1982 AUG 31	12:00E	13.0	1.91	H	88	287														
1982 OCT 05	12:00E	8.0	0.587	H	33	337														
1982 NOV 02	12:00E	0.1	0.477	W	23	373														
1983 JUN 07	12:00E	13.0	0.883	H	82	307														
1983 JUN 28	14:50	12.0	8.42	H	218	K 238	55	82	80	85	89	94	97	99	100			6	32	62
1983 JUL 19	12:00E	16.0	5.98	H	148	233														
1983 SEP 01	12:00E	19.0	0.055	H	48	341														
1983 SEP 21	12:00E	8.0	0.075	H	23	340														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

PEACE RIVER AT DUNVEGAN BRIDGE - STATION NO. 07FD003

LOCATION: LAT 55 55 09 N LONG 118 36 19 W
DRAINAGE AREA: 130 000 km²
TYPE OF FLOW: REGULATED SINCE 1967
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1976 APR 30	12:00E		1 630	H	117															
1976 MAY 06	12:00E	5.0	2 340	H	804															
1976 JUN 10	12:00E	13.0	2 580	H	458															
1976 JUL 09	12:00E	13.0	3 280	H	601															
1976 AUG 13	12:00E		3 340	H	734															
1977 JUN 13	12:00E	15.0	3 280	H	4 730															
1977 AUG 18	12:00E		1 630	H	130															
1979 MAY 23	12:00E	10.0	1 270	V	242	148														
1979 SEP 13	12:00E	11.0	1 290	H	221	143														
1980 OCT 15	12:00E	4.5	1 720	H	115	139														
1981 OCT 22	12:00E	8.0	1 520	H	23	124														
1982 JUN 22	12:00E		1 330	H	95	130														
1983 SEP 16	12:00E	8.0	1 730	H	12	123														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE

PEACE RIVER AT PEACE POINT - STATION NO. 07KC001

LOCATION: LAT 59 06 50 N LONG 112 25 35 W
DRAINAGE AREA: 293 000 km²
TYPE OF FLOW: REGULATED SINCE 1968
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1970 FEB 23	12:00E	0.5	1 010	W	42		156														
1970 APR 17	12:00E	0.6	1 500	W	250		151														
1970 MAY 06	13:30	10.0	2 140	H	507	K	150	28	44	81	73	80	86	93	98	100			14	42	44
1970 JUL 15	12:00E	18.3	1 850	H	287		184														
1970 OCT 20	12:00E	6.7	1 080	H	43		144														
1972 JAN 27	12:00E	0.5	1 060	W	26																
1972 MAR 02	12:00E	0.5	1 020	W	21																
1972 MAR 28	12:00E	0.5	1 010	W	16																
1972 APR 21	12:00E	0.5	1 300	W	37																
1972 JUN 12	13:30	15.3	3 000	H	444	K		35	41	60	77	88	95	98	99	100			5	54	41
1972 JUN 22	12:15		7 160	H	3 030	K		26	34	47	66	83	93	98	99	100			7	59	34
1972 AUG 01	13:45		5 150		983	K		25	35	48	61	76	91	97	99	100			8	58	35
1972 AUG 01	13:50		5 150		939	R		29	37	49	63	76	83	96	99	100			17	46	37
1972 SEP 12	12:00E	10.0	1 450	H	59																
1972 OCT 19	12:00E	2.0	2 210	H	150																
1972 NOV 29	12:00E	0.5	1 420	W	14																
1973 FEB 28	12 00E	0.5	1 870	W	36																
1973 MAR 27	12:00E	0.5	1 570	W	27																
1973 APR 24	14:00	0.5	3 770	H	1 060	K		66	77	86	92	96	99	100					1	22	77
1973 MAY 10	16:00	10.0	4 960	H	1 180	K		27	33	46	60	72	84	92	97	99	100		16	51	33
1973 JUL 04	11:10	15.5	4 080	H	562	K		25	31	43	56	67	78	83	88	93	96	100	24	45	31
1973 AUG 01	12:30	16.5	3 200	H	317	K		25	37	56	74	83	90	95	97	99	100		10	53	37
1973 AUG 16	12:00E	16.5	2 260	H	94																
1973 OCT 02	12:00E	8.5	1 860	H	45																
1973 OCT 29	12:00E	4.0	1 800	H	54																
1974 MAY 08	12:00E	5.6	7 160	H	2 180																
1974 JUL 03	12:00E	6.7	3 310	H	268																
1974 AUG 20	12:00E	3.3	2 370	H	83																
1974 SEP 26	12:00E	0.8	2 090	H	51																
1974 OCT 17	12 00E	0.3	2 470	H	89																
1975 JUN 03	12:00E	14.0	3 110	H	273																
1975 JUN 26	12:00E	18.0	3 540	H	261																
1976 JUN 08	12:00E		3 400	H	177																
1976 JUL 14	12 00E	18.0	4 930	H	1 610																
1976 AUG 18	12:00E	19.0	4 820	H	978																
1976 SEP 17	12:00E	12.0	2 350	H	136																
1976 OCT 14	12:00E	8.0	2 150	H	155																
1977 MAY 05	12:00E	4.0	2 720	H	383																
1977 OCT 26	12:00E	5.0	2 040	H	105																
1978 MAY 12	12:00E	7.0	2 610	H	1 050																
1978 JUL 19	12:00E		2 270	H	235																
1978 JUL 26	12:00E		1 840	H	257																
1979 JUN 20	12:00E		5 270	V	594		142														
1979 JUN 21	12:00E	12.0	5 380	V	625																
1979 JUL 31	12:00E		2 500	V	187		142														
1979 SEP 21	12:00E	15.0	1 740	H	106		141														
1980 MAY 08	12:00E	12.0	1 440	V	159		146														
1980 JUN 27	13:05	16.0	3 330	H	1 420	K	160	31	42	59	78	92	97	99	100				3	55	42
1980 AUG 15	12:00E	18.0	1 480	H	109		170														
1980 OCT 21	12:00E	3.0	1 990	H	48		153														
1981 MAY 19	11:15	14.0	3 830	H	950	K	158	30	41	57	75	88	91	95	99	100			9	50	41
1981 JUN 12	12:00E		3 240	H	655		145														
1981 JUL 20	12:00E	18.0	1 180	H	78		140														
1981 SEP 14	12:00E	15.0	1 480	H	35		157														
1981 NOV 13	12:00E	3.0	1 820	Y	86		138														
1982 MAY 18	12:00E	3.0	3 890	W	1 280		172														
1982 JUL 13	12:00E	22.0	2 660	H	218		140														
1982 AUG 10	12:55	20.0	4 240		3 230	K	187	35	48	63	82	94	98	99	100				2	52	46
1982 SEP 30	12:00E	8.0	1 530	H	74		150														
1983 JUN 13	12:00E	15.0	1 870	H	244		128														
1983 SEP 13	12:00E	14.0	2 000	H	81		159														
1983 NOV 03	12:00E	2.0	1 890	H	87		148														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE W - DAILY MEAN, ICE CONDITIONS
Y - DAILY MEAN, ESTIMATED

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL R - SAMPLES COLLECTED IN SEVERAL VERTICALS

PEACE RIVER AT PEACE POINT - STATION NO. 07KC001

BED MATERIAL PARTICLE-SIZE ANALYSIS

DATE	TIME	INSTANT. DISCHARGE (m^3/s)		NUMBER OF SAMPLING POINTS	TYPE OF SAMPLER	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	4.00	8.00	16.00	32.00	64.00
1970 OCT 20	12:00	1 070		11	LANE					29	35	57	85	90	90	92	100			
1973 OCT 02	13:40	1 960	H	10	BM54			10	17	28	41	60	84	88	88	91	93	98	100	

DISCHARGE SYMBOL(S): H - DAILY MEAN

PEIGAN CREEK NEAR PAKOWKI ROAD - STATION NO. 05AH041

LOCATION: LAT 49 34 50 N LONG 110 56 30 W
DRAINAGE AREA: 440 km^2
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 19	15:30				18	419														
1978 MAR 17	12:00E		1.44	W	177															
1978 MAR 19	12:00E		5.78	W	302															
1978 MAR 20	12:00E		2.44	W	133															
1978 MAR 21	12:00E		1.48	W	111															
1978 MAR 23	12:00E	1.0	4.53	W	158															
1978 MAR 25	12:00E	1.0	1.53	W	90															
1978 MAR 31	12:00E	2.0	2.80	H	263															
1978 APR 07	12:00E	10.0	1.27	H	34															
1978 APR 13	12:00E	13.0	0.323	H	11															
1978 MAY 10	12:00E	20.0	0.023	H	0															
1978 MAR 28	12:00E	3.0	1.70	H	187															
1978 MAR 30	12:00E	2.0	2.84	H	281															
1978 MAR 31	12:00E	3.0	4.53	H	385															
1978 APR 04	12:00E	4.0	0.857	H	71															
1978 APR 06	12:00E	4.0	4.60	H	393															
1978 APR 13	12:00E	4.0	1.87	H	46															
1978 APR 26	12:00E	9.0	3.88	H	212															
1978 MAY 30	12:00E	11.0	0.229	H	4															
1978 JUL 25	12:00E	27.0	0.018	V	28															
1979 MAR 08	12:00E	1.0	7.74	W	192	136														
1979 MAR 14	12:00E	1.0	8.74	W	268	144														
1979 MAR 15	12:00E	2.0	8.26	W	441	157														
1979 MAR 18	12:00E	2.0	4.36	H	198	180														
1979 APR 05	12:00E	5.0	0.246	W	11	324														
1979 MAY 02	12:00E	7.0	0.899	H	10	498														
1979 MAY 30	12:00E	15.0	0.700	H	32	848														
1980 MAR 25	12:00E	1.0	0.235	W	31	200														
1980 APR 09	12:00E	1.0	0.151	H	18	325														
1981 MAR 10	12:00E	2.0	0.068	H	22	270														
1982 JUN 04	12:00E	14.0	4.80	H	127	289														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE W - DAILY MEAN, ICE CONDITIONS

ALBERTA

PEKISKO CREEK NEAR LONGVIEW - STATION NO. 05BL023

LOCATION: LAT 50 28 26 N LONG 114 12 20 W
DRAINAGE AREA: 232 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 13	15:00				38	126														
1971 MAY 13	15:01				41	172														
1971 MAY 24	13:30				20	186														
1971 MAY 24	13:31				23	172														
1971 JUN 02	19:15				23	177														
1971 JUN 02	19:16				50	178														
1971 JUN 06	12:00				3 590	212														
1971 JUN 07	12:00				486	155														
1972 APR 06	12:00E		2.58	W	507															
1972 APR 07	12:00E		2.53	W	146															
1972 APR 11	12:00E		1.12	W	17															
1972 APR 20	12:00E		0.719	H	28															
1972 MAY 03	12:00E		2.88	H	52															
1972 MAY 18	12:00E		7.18	H	78															
1972 MAY 21	12:00E		7.28	H	79															
1972 MAY 22	12:00E		8.04	H	131															
1972 MAY 25	12:00E		11.8	H	1 260															
1972 MAY 29	12:00E		8.35	H	175															
1976 MAY 13	12:00E		2.50	H	21															
1977 MAY 17	12:00E	5.0	0.894	H	13															
1977 MAY 24	12:00E	15.0	1.09	H	11															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN, ICE CONDITIONS

PEMBINA RIVER AT JARVIE - STATION NO. 07BC002

LOCATION: LAT 54 27 05 N LONG 113 59 30 W
DRAINAGE AREA: 13 100 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1976 APR 14	12:00E		83.5	V	534																
1976 MAY 18	12:00E		25.6	H	29																
1976 JUL 21	12:00E		15.7	H	22																
1976 SEP 24	12:00E		16.2	H	19																
1977 APR 19	12:00E	3.0	40.8	H	198																
1977 MAY 11	12:00E	12.0	201	H	2 120																
1977 JUN 13	12:00E		105	H	307																
1977 JUN 20	12:00E	22.0	65.4	H	151																
1977 JUL 27	12:00E	20.0	47.0	H	118																
1977 SEP 26	12:00E		49.8	H	80																
1978 APR 19	12:00E	6.0	46.2	H	153																
1978 MAY 15	12:00E		42.5	H	119																
1978 JUN 08	12:00E	20.0	77.9	H	453																
1978 JUN 17	12:00E	19.0	86.4	H	387																
1978 JUN 18	12:00E	16.0	150	H	812																
1978 JUN 29	12:00E	22.0	72.5	H	198																
1978 AUG 31	12:00E	18.0	22.5	H	31																
1978 SEP 28	12:00E	10.0	84.6	V	181																
1978 NOV 02	12:00E	3.0	24.8	H	36																
1979 APR 23	12:00E	2.0	178	W	1 180		182														
1979 APR 28	12:00E	7.0	247	H	1 800		188														
1979 MAY 02	12:00E	8.0	185	H	941		167														
1979 MAY 31	12:00E	16.0	88.2	H	184		145														
1979 JUN 28	12:00E	21.0	82.8	H	318		138														
1979 JUL 26	12:00E	21.0	57.1	H	128		198														
1979 AUG 23	12:00E	20.0	20.9	H	30		205														
1979 SEP 19	12:00E	18.0	12.7	H	11		219														
1980 APR 14	14:30	3.0	128		1 830	K	194	17	22	32	48	68	84	94	99	100			16	62	22
1980 APR 17	08:10	4.0	140	H	2 530	K	183	18	24	35	50	68	81	89	95	98	99		19	57	24
1980 MAY 15	12:00E	18.0	31.8	H	47		197														
1980 MAY 30	15:15	11.0	152		1 500	K	200	12	20	30	42	62	83	98	99	100			17	63	20
1980 JUN 07	09:00	11.0	414		2 500	K	150	39	47	63	70	78	85	92	97	99	100		15	38	47
1980 JUL 09	12:00E	19.0	152	H	411		152														
1980 AUG 14	12:00E	19.0	63.6	H	103		187														
1980 SEP 24	12:00E	9.0	91.3	H	262		185														
1980 OCT 17	12:00E	5.0	33.4	H	41		210														
1981 APR 10	12:00E	3.0	88.5	W	223		221														
1981 APR 24	12:00E	12.0	39.3	H	71		218														
1981 MAY 21	12:00E	17.0	61.9	H	192		184														
1981 JUN 15	12:00E	19.0	49.0	H	147		175														
1981 JUL 09	12:00E	17.0	22.6	H	35		202														
1981 AUG 13	12:00E	19.0	30.8	H	59		177														
1981 SEP 10	12:00E	18.0	13.2	H	7		218														
1981 OCT 05	12:00E	7.0	10.7	H	4		224														
1982 JUN 11	12:00E	17.0	84.8	H	220		170														
1982 AUG 30	12:00E	14.0	33.7	H	439		211														
1983 MAY 09	12:00E	13.0	26.9	V	1 030		180														
1983 JUN 08	12:00E	15.0	17.0	V	12		200														
1983 JUL 04	18:30	15.0	92.0	H	322	K	189	21	25	44	64	79	90	94	98	99	100		10	64	25
1983 AUG 08	12:00E	16.0	31.4	V	33		245														
1983 OCT 31	12:00E	4.0	11.2	H	11		274														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN, ICE CONDITIONS

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

PEMBINA RIVER NEAR ENTWISTLE - STATION NO. 07BB002

LOCATION: LAT 53 36 18 N LONG 115 00 14 W
DRAINAGE AREA: 4 420 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1969 MAY 30	10:30				15	158														
1974 JUL 23	12:00E	2.8	33.1	H	17															
1974 AUG 27	12:00E	6.3	25.0	H	11															
1974 SEP 30	12:00E	0.5	7.59	H	3															
1974 OCT 29	12:00E	0.8	6.50	H	2															
1975 MAY 15	12:00E	12.0	36.2	V	51															
1975 JUN 17	12:00E	15.0	12.5	H	6															
1975 JUL 16	12:00E	21.0	32.0	H	22															
1975 AUG 19	12:00E	14.0	6.17	H	3															
1975 SEP 22	12:00E	13.0	6.74	H	3															
1976 APR 26	12:00E	9.0	25.8	V	18															
1976 MAY 27	12:00E	17.0	17.0	V	11															
1976 JUN 21	12:00E	17.0	20.4	H	19															
1976 JUL 19	12:00E	21.0	12.1	H	7															
1976 AUG 19	12:00E	17.0	87.5	H	23															
1977 MAY 08	12:00E	8.0	162	H	128															
1977 JUN 23	12:00E	18.0	21.0	H	10															
1977 JUL 18	12:00E	18.0	35.1	H	22															
1977 AUG 22	12:00E	15.0	21.6	H	10															
1977 SEP 26	12:00E	9.0	28.9	H	11															
1978 MAY 29	12:00E	11.0	84.8	H	128															
1978 JUN 19	12:00E	14.0	138	H	333															
1978 JUL 17	12:00E	18.0	78.7	H	154															
1978 AUG 21	12:00E	13.0	21.4	H	9															
1978 JUN 11	12:00E	17.0	22.7	H	11	170														
1979 JUL 19	12:00E	23.0	22.0	H	10	138														
1979 AUG 13	12:00E	19.0	13.6	H	6	163														
1979 SEP 10	12:00E	13.0	6.15	H	6	193														
1980 APR 14	12:00E	0.1	40.0	W	353	144														
1980 MAY 05	12:00E	15.0	27.5	H	23	135														
1980 JUN 02	12:00E	12.0	85.5	H	263	128														
1980 JUL 21	12:00E	16.0	111	H	334	161														
1980 AUG 18	12:00E	17.0	23.1	H	10	181														
1981 APR 22	12:00E	2.0	17.5	H	17	201														
1981 MAY 11	12:00E	10.0	84.4	H	159	166														
1981 JUL 06	12:00E	22.0	11.6	H	5	188														
1981 AUG 10	12:00E	20.0	23.8	H	19	182														
1982 JUN 22	12:00E	21.0	17.5	H	5	173														
1982 JUL 28	12:00E	21.0	73.0	H	78	157														
1982 SEP 27	12:00E	11.0	12.2	H	3	196														
1982 OCT 28	12:00E	2.0	17.3	H	4	183														
1983 APR 22	12:00E	4.0	32.6	H	74	148														
1983 JUN 07	12:00E	15.0	11.2	H	5	187														
1983 JUN 27	12:00E	14.0	87.6	H	189	142														
1983 AUG 28	12:00E	20.0	5.34	H	6	218														
1983 SEP 28	12:00E	8.0	4.87	H	2	234														
1983 OCT 31	12:00E	2.0	5.07	H	2	241														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE W - DAILY MEAN, ICE CONDITIONS

PINCHER CREEK AT PINCHER CREEK - STATION NO. 05AA004

LOCATION: LAT 49 29 12 N LONG 113 56 49 W
DRAINAGE AREA: 155 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .003	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 04	18 25				27	184														
1971 MAY 04	18 28				33	186														
1971 MAY 05	09 00				270	185														
1971 MAY 05	09 01				259	182														
1971 MAY 05	09 02				283	182														
1971 MAY 05	17 30				55	172														
1971 MAY 05	17 31				52	182														
1971 MAY 05	18 00				50	184														
1971 MAY 05	18 01				52	182														
1971 MAY 06	12 30				858	172														
1971 MAY 06	12 31				803	175														
1971 MAY 07	13 00				155	180														
1971 MAY 07	13 01				173	172														
1971 MAY 23	20 00				83	170														
1971 MAY 23	20 01				67	175														
1971 JUN 01	20 30				47	144														
1971 JUN 01	20 31				134	140														
1972 MAR 18	12 00E		3.57	W	238															
1972 MAR 19	13 00E		2.72	W	141															
1972 MAR 24	12 00E		1.70	W	37															
1972 MAY 05	13 00E		4.13	W	52															
1972 MAY 18	12 00E		7.90	W	181															
1972 MAY 20	12 00E		7.16	W	110															
1972 MAY 22	12 00E		5.89	W	103															
1972 MAY 25	12 00E		19.5	W	2 050															
1972 MAY 26	12 00E		12.3	W	289															
1972 MAY 27	12 00E		9.64	W	152															
1972 JUN 01	12 00E		10.6	W	221															
1972 JUN 02	12 00E		8.75	W	102															
1972 JUN 03	12 00E		7.58	W	78															
1972 JUN 09	12 00E		5.95	W	80															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): W - DAILY MEAN, ICE CONDITIONS

PINE CREEK NEAR GRASSLAND - STATION NO. 07CA005

LOCATION: LAT 54 48 12 N LONG 112 46 34 W
DRAINAGE AREA: 1 450 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1974 AUG 13	12:00E	8.1	2.55	H	51															
1974 SEP 17	12:00E	0.4	2.41	V	48															
1975 APR 15	12:00E	1.0	0.433	W	18															
1975 APR 21	12:00E	1.0	13.5	W	199															
1975 APR 23	12:00E	1.0	12.7	H	184															
1975 APR 25	12:00E	1.0	8.43	H	127															
1975 APR 27	12:00E	1.0	7.05	H	126															
1975 APR 29	12:00E	1.0	4.61	V	74															
1975 JUL 15	12:00E	21.0	2.79	H	100															
1975 AUG 08	12:00E	19.0	5.04	H	86															
1975 SEP 08	13:00E	14.0	8.74	V	73															
1975 SEP 29	12:00E	8.0	2.80	H	24															
1976 APR 04	12:00E		6.23	W	424															
1976 APR 05	12:00E		7.22	W	212															
1976 APR 06	12:00E		7.67	H	453															
1976 APR 12	12:00E		5.52	H	583															
1976 APR 28	12:00E		4.46	H	61															
1976 MAY 18	12:00E		2.20	H	16															
1976 JUN 15	12:00E		0.281	H	9															
1976 JUL 05	12:00E		1.78	H	32															
1976 AUG 10	12:00E		0.428	H	15															
1976 SEP 14	12:00E		0.235	H	11															
1976 OCT 28	12:00E		1.21	W	20															
1977 MAY 10	12:00E	15.0	2.08	H	33															
1977 JUN 07	12:00E	19.0	5.15	H	64															
1977 JUL 05	12:00E	14.0	0.331	H	29															
1977 AUG 10	12:00E	16.0	1.23	H	21															
1977 SEP 07	12:00E	12.0	1.04	H	37															
1977 OCT 06	12:00E	4.0	2.85	H	36															
1978 APR 18	12:00E	1.0	7.62	H	78															
1978 MAY 23	12:00E	15.0	2.40	H	49															
1978 JUN 02	12:00E	12.0	17.4	H	204															
1978 JUN 03	12:00E	14.0	16.7	H	187															
1978 JUN 04	12:00E	15.0	15.6	H	127															
1978 JUN 27	12:00E	21.0	3.17	H	41															
1978 JUL 25	12:00E	21.0	2.38	H	57															
1978 AUG 24	12:00E	16.0	3.57	H	63															
1978 SEP 25	12:00E	9.0	18.3	H	62															
1978 OCT 17	12:00E	4.0	7.98	H	57															
1978 OCT 30	12:00E	1.0	5.47	V	42															
1979 MAY 02	12:00E	3.0	21.1	H	114	171														
1979 MAY 31	13:00E	13.0	5.85	H	51	211														
1979 JUN 20	12:00E	18.0	8.51	H	81	222														
1979 JUL 25	13:00E	20.0	7.33	H	43	261														
1979 AUG 22	13:00E	20.0	4.20	H	38	288														
1979 SEP 26	12:00E	12.0	1.99	H	15	339														
1979 OCT 31	12:00E	1.0	1.18	V	15	346														
1980 APR 22	12:00E	10.0	0.856	W	53	253														
1980 MAY 08	12:00E	14.0	0.117	H	25	401														
1980 JUN 04	12:00E	16.0	0.283	H	23	440														
1980 JUL 14	12:00E	23.0	0.404	H	45	455														
1980 AUG 13	12:00E	19.0	3.09	H	90	342														
1980 SEP 29	12:00E	8.0	3.45	H	92	304														
1981 APR 21	12:00E	7.0	3.17	H	85	287														
1981 MAY 11	12:00E	10.0	0.487	H	28	308														
1981 JUN 15	12:00E	16.0	1.31	H	27	220														
1981 JUL 14	12:00E	21.5	2.35	H	30	232														
1981 SEP 29	12:00E	8.0	0.101	V	6	543														
1982 JUN 07	12:00E	18.0	0.119	V	12	431														
1982 JUL 07	12:00E	18.0	0.100	V	15	488														
1982 AUG 04	12:00E	14.0	1.28	H	35	332														
1983 AUG 09	12:00E	19.0	1.28	H	20	292														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS

PIPESTONE RIVER NEAR LAKE LOUISE - STATION NO. 05BA002

LOCATION: LAT 51 26 02 N LONG 116 10 20 W
DRAINAGE AREA: 306 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 JUN 06	12:00E			22															
1972 JUN 07	12:00E			37															
1972 JUN 08	12:00E			23															
1972 JUN 09	12:00E			40															
1972 JUN 10	12:00E			53															
1972 JUN 11	12:00E			73															
1972 JUN 12	12:00E			30															
1972 JUN 13	12:00E			13															
1972 JUN 14	12:00E			9															
1972 JUN 15	12:00E			8															
1972 JUN 16	12:00E			9															
1972 JUN 17	12:00E			11															
1972 JUN 18	12:00E			18															
1972 JUN 21	12:00E			7															
1972 JUN 24	12:00E			15															
1972 JUN 26	12:00E			9															
1972 JUN 28	12:00E			6															
1972 JUL 01	12:00E			5															
1972 JUL 03	12:00E			3															
1972 JUL 05	12:00E			6															
1972 JUL 08	12:00E			74															
1972 JUL 10	12:00E			8															
1972 JUL 12	12:00E			3															
1972 JUL 15	12:00E			6															
1972 JUL 18	12:00E			3															
1972 JUL 22	12:00E			4															
1972 JUL 25	12:00E			4															
1972 JUL 29	12:00E			6															
1972 AUG 01	12:00E			3															
1972 AUG 05	12:00E			2															

TIME SYMBOL: E - ESTIMATED

PIYAMI DRAIN NEAR PICTURE BUTTE - STATION NO. 05AD037

LOCATION: LAT 49 49 49 N LONG 112 45 43 W
DRAINAGE AREA: km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1978 JUL 11	12:00E	15.0	0.527 H	247															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN

PONTON RIVER ABOVE BOYER RIVER - STATION NO. 07JF003

LOCATION: LAT 58 27 53 N LONG 116 15 23 W
DRAINAGE AREA: 2 440 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 APR 22	12:00E	1.0	3.26	W	36																
1975 APR 24	12:00E	1.0	7.62	W	247																
1975 APR 26	12:00E	1.0	18.0	H	398																
1975 APR 28	12:00E	1.0	51.5	H	1 880																
1975 MAY 01	12:00E	1.0	53.5	H	1 780																
1976 APR 21	12:00E	3.0	21.8	H	612																
1976 APR 22	12:00E	4.0	27.5	H	1 020																
1976 APR 28	12:00E	7.0	97.7	H	3 420																
1976 MAY 27	12:00E	12.0	47.8	H	880																
1976 JUN 24	12:00E	15.0	34.8	H	1 240																
1976 JUL 29	12:00E	17.0	25.0	H	189																
1976 AUG 27	12:00E	13.0	13.7	H	81																
1976 SEP 30	12:00E	8.0	5.44	H	26																
1976 OCT 27	12:00E	0.1	4.02	W	19																
1977 APR 28	12:00E	4.0	23.8	H	1 050																
1977 JUN 02	12:00E	16.0	21.9	H	270																
1977 JUN 23	12:00E	21.0	22.2	H	244																
1977 JUL 27	12:00E	22.0	27.1	H	297																
1977 SEP 09	12:00E	11.0	9.03	H	26																
1977 OCT 06	12:00E	2.0	6.40	H	13																
1977 OCT 25	12:00E	2.0	3.68	H	13																
1978 MAY 09	12:00E	7.0	24.4	H	459																
1978 JUN 07	12:00E	19.0	24.6	H	319																
1978 JUL 07	12:00E	20.0	14.1	H	189																
1978 AUG 03	12:00E	19.0	4.81	H	20																
1978 AUG 31	12:00E	17.0	9.03	H	34																
1978 OCT 04	12:00E	10.0	15.6	H	138																
1978 OCT 25	12:00E	0.1	7.42	H	28																
1979 MAY 18	12:00E		86.5	H	2 200		143														
1979 JUN 28	12:00E		38.0	H	498		116														
1979 JUL 26	12:00E	17.0	7.58	H	39		169														
1979 AUG 16	12:00E	20.0	3.64	H	19		203														
1979 SEP 27	12:00E	8.0	2.22	H	7		235														
1979 NOV 01	12:00E	0.1	0.698	W	7		362														
1980 JUN 05	12:00E		2.97	H	15		196														
1980 JUL 03	12:00E	18.0	3.35	H	50		234														
1980 AUG 08	12:00E	17.0	1.32	H	5		255														
1981 MAY 27	16:00	20.0	25.3	H	383	K	120	22	29	50	68	78	81	87	94	98	100		19	52	29
1981 JUN 30	12:00E	18.0	11.4	H	68		122														
1981 AUG 05	12:00E	22.0	7.09	H	32		134														
1981 SEP 08	12:00E	14.0	1.72	H	7		179														
1981 OCT 01	12:00E	12.0	1.44	H	39		201														
1982 MAY 02	12:00E	2.0	19.5	H	837		241														
1982 MAY 04	15:45	2.0	55.4	H	2 740	K	161	15	19	32	47	62	78	79	84	88	90		24	57	19
1982 MAY 20	12:00E	10.0	43.1	H	765		135														
1982 JUN 24	12:00E	20.5	7.15	H	32		135														
1982 JUL 23	12:00E	18.0	2.94	H	11		158														
1982 AUG 25	12:00E	15.0	3.42	H	8		167														
1982 OCT 06	12:00E	6.0	2.36	H	6		180														
1982 OCT 27	12:00E	1.0	1.54	W	10		239														
1983 MAY 05	12:00E	2.0	24.9	H	321		108														
1983 JUN 03	12:00E	12.0	27.4	H	289		109														
1983 JUN 30	12:00E	21.0	12.6	H	83		108														
1983 AUG 11	12:00E	21.0	3.22	H	9		143														
1983 SEP 01	12:00E	18.5	2.51	H	8		172														
1983 SEP 29	12:00E	0.5	1.81	H	7		195														
1983 OCT 27	12:00E	0.1	0.585	W	7		277														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

POPLAR CREEK NEAR FORT MCMURRAY - STATION NO. 07DA007

LOCATION: LAT 56 54 50 N LONG 111 27 35 W
DRAINAGE AREA: 151 km²
TYPE OF FLOW: REGULATED SINCE 1976
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1974 OCT 07	12:00E	0.8	0.187 H	4															
1975 APR 20	12:00E	1.0	0.450 W	29															
1975 APR 21	12:00E	1.0	0.886 W	37															
1975 APR 25	12:00E	1.0	0.507 W	81															
1975 MAY 26	12:00E	7.0	2.53 V	362															
1975 JUN 02	12:00E	11.0	1.12 H	22															
1975 JUL 04	12:00E	21.0	1.28 H	87															
1975 AUG 06	12:00E	17.0	0.708 H	41															
1978 APR 20	12:00E	0.1	0.288 W	128	243														
1978 APR 23	12:00E		0.465 W	136	221														
1978 APR 27	12:00E	0.1	4.85 W	93	156														
1978 MAY 01	12:00E	2.0	10.2 W	109	174														
1978 MAY 06	12:00E		9.02 W	111	185														
1978 MAY 28	12:00E	14.0	5.48 H	51	158														
1979 JUN 27	12:00E	17.0	1.28 H	11	205														
1979 JUL 23	12:00E	20.0	0.070 H	17	442														
1979 AUG 19	12:00E	14.0	1.81 H	24	243														
1979 SEP 21	12:00E	12.0	3.78 H	18	284														
1979 OCT 18	12:00E	5.0	1.54 H	10	278														
1980 APR 21	12:00E	7.0	1.47 V	54	201														
1980 MAY 24	12:00E	12.0	0.508 H	11															
1980 JUN 22	12:00E	23.0	0.423 H	14	319														
1980 JUL 22	12:00E	26.0	0.088 H	6	422														
1980 AUG 18	12:00E	19.0	5.88 H	31	301														
1980 SEP 17	12:00E	9.0	3.97 H	29	254														
1980 OCT 20	12:00E	5.0	1.81 H	5	283														
1981 MAY 25	12:00E	16.0	1.13 H	21	306														
1981 JUL 22	12:00E	19.0	1.04 V	16	339														
1981 AUG 26	12:00E	24.0	0.098 V	13	425														
1982 JUN 21	12:00E	15.0	0.554 H	9 K	392 K														
1982 AUG 04	12:00E	16.0	0.385 H	6 K	334 K														
1982 SEP 19	12:00E	10.0	0.482 H	3 K	380 K														
1983 APR 28	12:00E	6.0	2.77 H	18	349														
1983 JUN 16	12:00E	22.0	1.02 H	12	341														
1983 AUG 03	12:00E	21.0	0.131 H	6	380														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN, ICE CONDITIONS
CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL
DISSOLVED SOLIDS SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

PRAIRIE CREEK NEAR ROCKY MOUNTAIN HOUSE - STATION NO. 05DB002

LOCATION: LAT 52 18 20 N LONG 114 55 50 W
DRAINAGE AREA: 859 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 JUN 05	19:45			35															
1971 JUN 08	18:10			186	242														
1971 JUN 06	18:11			154	240														
1971 JUN 07	17:45			650	183	10	18	30	48	58	68	82	98	100			32	50	18
1971 JUN 07	17:46			679	177	13	22	33	48	58	68	78	88	100			32	48	22
1971 JUN 09	14:45			191	184														
1971 JUN 08	14:48			313	188														
1971 JUN 12	15:30			82	207														
1971 JUN 12	15:31			80	229														
1971 JUN 15	14:00			53	202														
1971 JUN 15	14:01			88	203														

PRAIRIE RIVER NEAR LAKE CLAIRE - STATION NO. 07KF014

LOCATION: LAT 58 37 25 N LONG 111 40 50 W
DRAINAGE AREA: km²
TYPE OF FLOW: REGULATED SINCE 1987
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 JUL 29	12:00E			288																
1971 AUG 04	13:30			408	K		80	72	92	98	99	100						0	28	72
1971 AUG 09	12:00E			314																
1971 AUG 13	12:00E			374																
1971 AUG 17	12:00E			168																
1971 AUG 19	12:00E			70																
1971 AUG 24	12:00E			211																
1971 AUG 31	12:00E			108																
1971 SEP 20	15:00			382	R		78	87	97	98	99	99	100					1	12	87
1972 AUG 01	12:00E			30																
1972 AUG 22	12:00E			13																
1976 MAY 18	12:00E	9.0		392																
1976 JUN 02	12:00E	16.0		331																
1976 JUN 23	12:00E	17.0		163																
1976 JUL 07	12:00E	20.0		100																
1976 JUL 21	12:00E	16.0		388																
1976 AUG 04	12:00E	18.0		182																
1976 AUG 18	12:00E	19.0		236																
1976 SEP 01	12:00E	14.0		336																
1976 SEP 14	12:00E	12.0		81																
1976 SEP 29	12:00E	12.0		183																
1976 OCT 12	12:00E	3.0		322																
1977 MAY 13	12:00E	11.0		161																
1977 MAY 30	12:00E	14.0		855																
1977 JUN 14	12:00E	15.0		199																
1977 JUL 11	12:00E	19.0		65																
1977 JUL 26	12:00E	22.0		37																
1977 AUG 11	12:00E	16.0		206																
1977 AUG 22	12:00E	13.0		47																
1977 SEP 09	12:00E	13.0		51																
1977 OCT 03	12:00E	5.0		137																
1978 JUN 13	12:00E	16.0		35																
1978 JUN 26	12:00E	19.0		104																
1978 JUL 11	12:00E	19.0		66																
1978 JUL 27	12:00E	17.0		311																
1978 AUG 10	12:00E	18.0		88																
1978 AUG 22	12:00E			32																
1978 SEP 05	12:00E	11.0		32																
1978 OCT 02	12:00E	8.0		126																
1979 JUN 21	12:00E	10.0		95		267														
1979 JUL 05	12:00E	22.0		39		257														
1979 JUL 18	12:00E	21.0		117		245														
1979 AUG 16	12:00E	16.0		28		276														
1979 AUG 30	12:00E	12.0		41		277														
1979 SEP 13	12:00E	10.0		51		285														
1980 JUN 19	12:00E	18.0		85		355														
1980 JUL 14	12:00E	21.0		25		374														
1980 JUL 24	12:00E	18.0		105		403														
1981 JUN 09	12:00E			139		331														
1981 JUN 29	12:00E	17.5		87		380														
1981 AUG 07	12:00E	22.0		40		431														

TIME SYMBOL: E - ESTIMATED

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL R - SAMPLES COLLECTED IN SEVERAL VERTICALS

PRAIRIE RIVER NEAR LAKE CLAIRE - STATION NO. 07KF014

BED MATERIAL PARTICLE-SIZE ANALYSIS

DATE	TIME	INSTANT. DISCHARGE (m³/s)	NUMBER OF SAMPLING POINTS	TYPE OF SAMPLER	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	4.00	8.00	16.00	32.00	64.00
1977 JUL 28	11:00		5	BMH80	70	79	91	99	100										
1978 AUG 10	10:53		5	BMH80	80	87	94	97	100										

RACEHORSE CREEK NEAR THE MOUTH - STATION NO. 05AA027

LOCATION: LAT 49 50 18 N LONG 114 25 06 W
DRAINAGE AREA: 217 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 04	13:50				58	118														
1971 MAY 04	13:51				80	127														
1971 MAY 04	13:52				58	118														
1971 MAY 05	14:30				80	118														
1971 MAY 05	14:31				56	102														
1971 MAY 05	14:32				78	94														
1971 MAY 06	17:00				44	101														
1971 MAY 06	17:01				56	108														
1971 MAY 06	17:02				40	109														
1971 MAY 23	15:45				32	109														
1971 MAY 23	15:46				28	100														
1971 MAY 23	15:47				30	103														
1971 JUN 01	14:00				33	100														
1971 JUN 01	14:01				35	103														
1971 JUN 05	11:00				117	90														
1971 JUN 05	11:01				114															
1971 JUN 06	11:02				150															
1972 MAY 04	12:00E		5.72	H	41															
1972 MAY 18	12:00E		25.2	H	85															
1972 MAY 20	12:00E		26.0	H	81															
1972 MAY 21	12:00E		27.3	H	82															
1972 MAY 22	12:00E		30.3	H	147															
1972 MAY 23	12:00E		27.8	H	77															
1972 MAY 27	12:00E		18.6	H	28															
1972 MAY 31	12:00E		48.4	H	1 140															
1972 JUN 01	12:00E		49.8	H	856															
1972 JUN 02	12:00E		41.3	H	247															
1972 JUN 03	12:00E		35.7	H	181															
1972 JUN 05	12:00E		34.8	H	90															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

RAM RIVER NEAR THE MOUTH - STATION NO. 05DC005

LOCATION: LAT 52 21 55 N LONG 115 25 33 W
DRAINAGE AREA: 1 850 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1976 APR 26	12:00E	7.0	5.58	H	12																
1976 MAY 19	12:00E	8.0	11.0	H	24																
1976 JUN 14	12:00E	20.0	14.8	H	85																
1976 JUL 14	12:00E	10.0	26.6	H	181																
1976 AUG 12	12:00E	12.0	33.1	Y	356																
1976 SEP 07	12:00E	11.0	15.0	H	16																
1977 APR 25	12:00E	12.0	9.20	H	53																
1977 MAY 26	12:00E	10.0	51.5	H	242																
1977 JUN 15	12:00E	12.0	31.7	H	90																
1977 JUL 11	12:00E	11.0	32.3	H	177																
1977 AUG 10	12:00E	12.0	17.6	H	28																
1977 SEP 15	12:00E	7.0	21.7	H	11																
1978 APR 24	12:00E		7.67	H	187																
1978 MAY 23	12:00E		41.1	H	364																
1978 JUN 19	12:00E		57.4	H	125																
1978 JUL 25	12:00E		36.5	H	18																
1978 AUG 29	12:00E		24.6	H	6																
1978 SEP 26	12:00E		24.7	H	4																
1978 OCT 31	12:00E		11.1	Y	6																
1979 MAY 22	12:00E	8.0	23.4	Y	43		221														
1979 JUN 19	12:00E	10.0	22.3	H	11		220														
1979 JUL 17	12:00E	12.0	12.3	H	3		257														
1979 AUG 14	12:00E	14.0	9.44	H	0		281														
1979 SEP 11	12:00E	10.0	9.33	H	4		336														
1979 OCT 03	12:00E	4.0	6.30	H	8		334														
1979 OCT 31	12:00E	0.1	4.78	H	3		398														
1980 APR 28	12:00E		29.8	H	218		184														
1980 MAY 27	12:00E	5.0	54.5	H	260		192														
1980 JUN 06	12:15	5.0	170		1 500	K	187	20	28	35	45	62	75	83	98	100			21	54	25
1980 JUN 23	12:00E	8.0	44.3	H	62		208														
1980 JUL 31	12:00E	10.0	18.3	H	9		247														
1980 AUG 28	12:00E	7.0	15.0	H	12		285														
1980 SEP 22	12:00E	7.0	22.7	H	9		242														
1980 OCT 28	12:00E	5.0	9.86	H	8		302														
1981 APR 27	12:00E	7.0	5.34	H	7		310														
1981 MAY 28	12:00E	7.0	46.2	H	142		178														
1981 JUN 15	12:00E	8.0	41.2	H	108		201														
1981 AUG 20	12:00E	15.0	26.6	H	8		258														
1981 SEP 28	12:00E	7.0	12.2	H	1		320														
1981 OCT 27	12:00E	5.0	9.80	H	2		330														
1982 MAY 25	12:00E	10.0	25.1	H	344		203														
1982 JUN 21	12:00E	13.0	32.6	H	182		194														
1982 JUL 05	17:20	9.0	127		885	K	187	19	24	37	54	69	87	98	100				13	63	24
1982 JUL 28	12:00E	14.0	31.6	H	17		213														
1982 SEP 14	12:00E	4.0	10.8	Y	1		304														
1982 OCT 27	12:00E	3.0	9.44	H	1		313														
1983 MAY 04	12:00E	3.0	16.4	H	89		227														
1983 MAY 30	14:20	17.5	51.0		1 330	K	175	25	34	51	73	90	98	100					2	64	34
1983 JUN 27	12:00E	10.0	34.3	H	45		189														
1983 JUL 21	12:00E	18.5	27.2	H	18		227														
1983 AUG 30	12:00E	16.5	8.33	Y	5		332														
1983 SEP 27	12:00E	7.0	7.31	H	2		336														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE Y - DAILY MEAN; ESTIMATED

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

RAY CREEK NEAR INNISFAIL - STATION NO. 05CE010

LOCATION: LAT 52 00 03 N LONG 113 35 55 W
DRAINAGE AREA: 42.5 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 22	14:30			7	840														
1971 JUN 24	20:45			107	504														

RED DEER RIVER AT RED DEER - STATION NO. 05CC002

LOCATION: LAT 52 16 36 N LONG 113 48 57 W
DRAINAGE AREA: 11 800 km²
TYPE OF FLOW: REGULATED SINCE 1983
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1970 JUN 04	12:00E	21.7	69.4 H	103	218														
1970 JUL 17	12:00E	21.7	71.1 H	12 R	238 R														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN
CONCENTRATION SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS
DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

RED DEER RIVER AT SUNDRE - STATION NO. 05CA010

LOCATION: LAT 51 47 45 N LONG 114 38 05 W
DRAINAGE AREA: 3 460 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1976 APR 06	12:00E	2.0		138															
1976 APR 08	12:00E	7.0		143															
1976 APR 15	12:00E	4.0		7															
1976 APR 22	12:00E			5															
1976 MAY 05	12:00E	7.0		89															
1976 MAY 11	12:00E			247															
1976 MAY 12	12:00E			52															
1976 MAY 17	12:00E	13.0		18															
1976 MAY 21	12:00E			34															
1976 JUN 24	12:00E			38															
1976 JUL 02	12:00E	9.0		133															
1976 JUL 03	12:00E	12.0		42															
1976 JUL 07	12:00E	19.0		45															
1976 AUG 12	12:00E	12.0		92															
1977 APR 06	12:00E	1.0		142															
1977 MAY 19	12:00E	8.0		17															
1977 JUN 16	12:00E			28															

TIME SYMBOL: E - ESTIMATED

ALBERTA

RED DEER RIVER BELOW BURNT TIMBER CREEK - STATION NO. 05CA009

LOCATION: LAT 51 39 02 N LONG 115 01 00 W
DRAINAGE AREA: 2 250 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1974 JUL 29	12:00E	6.1	43.3	H	43															
1974 SEP 03	12:00E	0.1	25.9	H	8															
1975 MAY 29	12:00E	11.0	15.9	V	2															
1975 JUL 02	12:00E	11.0	33.1	H	3															
1975 JUL 31	12:00E	11.0	49.0	H	24															
1976 MAY 04	12:00E		16.8	H	14															
1976 MAY 06	12:00E		16.5	H	10															
1976 MAY 12	12:00E	9.0	38.8	H	17															
1976 MAY 13	12:00E	10.0	34.5	H	9															
1976 MAY 18	12:00E	5.0	28.1	H	3															
1976 MAY 21	12:00E		28.2	H	7															
1976 MAY 26	12:00E		35.4	H	7															
1976 MAY 27	12:00E		33.4	H	7															
1976 JUN 08	12:00E		28.3	H	4															
1976 JUN 18	12:00E	12.0	41.6	H	15															
1976 JUN 24	12:00E		46.2	H	15															
1976 JUL 01	12:00E	8.0	73.9	H	366															
1976 JUL 02	12:00E	9.5	59.7	H	77															
1976 JUL 03	12:00E	10.0	46.2	H	27															
1976 JUL 05	12:00E	14.0	48.7	H	25															
1976 JUL 07	12:00E	19.0	47.8	H	20															
1976 JUL 14	12:00E	10.0	41.3	H	13															
1977 JUN 02	12:00E	9.0	84.0	H	179															
1977 JUN 06	12:00E	11.0	44.5	H	21															
1977 JUL 11	12:00E		32.6	H	13															
1977 AUG 10	12:00E	10.0	27.2	H	7															
1978 MAY 11	12:00E		17.1	H	10															
1978 JUN 05	12:00E		127	H	730															
1978 JUL 06	12:00E		68.8	H	55															
1978 JUL 31	12:00E		35.1	H	8															
1978 SEP 05	12:00E		28.2	H	4															
1978 OCT 02	12:00E		18.6	V	14															
1979 MAY 17	12:00E	5.0	22.9	H	10	214														
1979 MAY 28	12:00E	6.0	53.5	H	62	183														
1979 JUN 25	12:00E	7.0	40.8	H	4	178														
1979 JUL 23	12:00E	10.0	34.6	H	7	168														
1979 AUG 21	12:00E	12.0	26.6	H	342	178														
1979 OCT 02	12:00E	6.0	11.7	H	2	236														
1979 OCT 29	12:00E	2.0	9.55	H	17	253														
1980 MAY 07	12:00E	8.0	30.8	H	8	204														
1980 JUN 09	12:00E	8.0	82.4	H	81	188														
1980 JUL 08	12:00E	12.0	28.8	H	9	210														
1980 AUG 13	12:00E	14.0	27.0	H	4	207														
1980 SEP 03	12:00E	8.0	17.8	H	5	257														
1980 SEP 25	12:00E	4.0	18.9	H	3	258														
1981 MAY 29	12:00E	7.0	88.1	H	93	178														
1981 JUN 18	12:00E	10.0	48.1	H	8	212														
1981 AUG 25	12:00E	10.0	42.3	H	107	189														
1981 SEP 29	12:00E		17.8	H	3	234														
1982 MAY 05	12:00E	1.5	7.27	H	4															
1982 MAY 27	12:00E		25.4	H	7															
1982 JUL 05	12:00E	8.0	56.3	H	15															
1982 AUG 09	12:00E		28.8	H	7															
1982 SEP 08	12:00E	8.0	26.4	H	5															
1982 OCT 05	12:00E	2.0	16.3	H	3															
1982 OCT 28	12:00E	3.0	11.4	H	1															
1983 APR 27	12:00E	2.0	13.8	H	4	240														
1983 MAY 25	12:00E	4.0	56.2	H	59	172														
1983 MAY 30	12:00E	5.0	84.9	H	288	152														
1983 JUL 04	12:00E	8.0	110	V	171	186														
1983 JUL 19	12:00E	10.0	42.2	H	4	200														
1983 JUL 28	12:00E	7.0	33.7	H	2	202														
1983 AUG 18	12:00E	10.0	30.8	H	14	177														
1983 SEP 27	12:00E	5.0	12.3	V	0	231														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE

REDWATER RIVER NEAR REDWATER - STATION NO. 05EC003

LOCATION: LAT 53 55 55 N LONG 113 03 30 W
DRAINAGE AREA: 1 480 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP.	INSTANT. DISCHARGE		INSTANT. CONCENT.	DISSOLVED SOLIDS	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES									PERCENT		
		(°C)	(m³/s)		(mg/L)	(mg/L)	.002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	SAND	SILT	CLAY
1974 AUG 18	12:00E	5.0	1.64	H	12													
1974 SEP 19	12:00E	0.4	0.439	H	11													
1975 APR 05	12:00E		3.37	W	33													
1976 APR 14	12:00E		3.99	H	44													
1976 APR 26	12:00E	10.0	1.70	H	11													
1976 MAY 19	12:00E	11.0	0.422	H	6													
1976 JUN 14	12:00E	18.0	0.184	H	4													
1977 APR 08	12:00E	2.0	5.40	W	32													
1977 APR 11	12:00E	5.0	5.09	H	42													
1978 JUN 20	12:00E		0.685	V	7													

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE W - DAILY MEAN, ICE CONDITIONS

REVILLON COUPE BELOW RIVIERE DES ROCHERS - STATION NO. 07NA004

LOCATION LAT 58 51 10 N LONG 111 16 10 W
DRAINAGE AREA km²
TYPE OF FLOW REGULATED SINCE 1967
TYPE OF GAUGE MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 JUN 02	12:00E			127																
1971 JUN 08	12:00E	18.0		204																
1971 JUN 10	12:00E	18.5		99																
1971 JUN 14	12:00E	18.5		110																
1971 JUN 19	12:00E	18.0		115																
1971 JUN 22	14:00	16.5	242	1 290	R		28	39	58	82	96	99	100					1	60	39
1971 JUN 24	12:00E			2 470																
1971 JUN 25	13:55			3 900	K		46	57	77	94	99	100						0	43	57
1971 JUN 28	12:00E	17.0		2 140																
1971 JUN 30	12:00E	17.0		985																
1971 JUL 02	12:00	18.0	92.8	580	K		67	79	96	99	100							0	21	79
1971 JUL 05	12:00E	18.0		754																
1971 JUL 09	12:00E			767																
1971 JUL 12	12:15	18.0	35.1	435	K		85	94	97	98	99	100						0	6	94
1971 JUL 13	12:00E			528																
1971 JUL 14	12:00E			260																
1971 JUL 16	12:00E			1 050																
1971 JUL 21	11:40		145	2 380	K		48	59	78	95	98	99	100					1	40	59
1971 JUL 22	12:00E			1 820																
1971 JUL 28	16:50		86.7	296	K		25	37	57	85	98	99	100					1	62	37
1971 JUL 30	12:00E			170																
1971 AUG 05	14:40		102	198	K		19	31	55	81	94	99	100					1	68	31
1971 AUG 09	12:00E	17.0		164																
1971 AUG 11	12:00E			134																
1971 AUG 12	12:00E			183																
1971 AUG 13	12:00E	16.5		116																
1971 AUG 16	12:00E			216																
1971 AUG 18	12:00E	17.0		122																
1971 AUG 20	12:00E			168																
1971 AUG 23	12:00E			111																
1971 AUG 26	12:00E	16.0		84																
1971 SEP 08	12:00E	14.5		111																
1971 OCT 16	12:00E	4.5		115																
1972 JUN 30	15:10	15.5	212	560	R		34	33	54	79	96	99	100					1	66	33
1972 JUL 05	12:00E	18.0		203																
1972 JUL 11	12:00E	15.0		428																
1972 JUL 12	15:50	16.5	94.0	414	K		56	67	87	94	99	100						0	33	67
1972 JUL 13	12:00E	17.0		331																
1972 JUL 14	12:00E	17.0		282																
1972 JUL 21	15:00	16.5	108	708	K		48	56	80	89	93	95	99	100				5	39	56
1972 JUL 24	12:00E	20.0		182																
1972 JUL 28	12:00E	19.5		115																
1972 AUG 04	15:40	16.5		420	K		70	81	88	93	99	99	99	100				1	18	81
1972 AUG 16	12:00E	20.0		89																
1972 AUG 21	12:00E	18.0		30																
1973 MAY 29	14:55			413	R		82	78	95	99	100							0	22	78
1973 SEP 11	15:00	12.0		555	K		5	9	15	27	44	80	100					10	81	9
1975 MAY 26	12:00E	2.0		116																
1975 JUN 04	12:00E	12.0		95																
1975 JUN 18	12:00E	16.0		89																
1975 JUL 05	12:00E	19.0		204																
1975 OCT 24	12:00E	3.0		214																
1976 MAY 17	12:00E	10.0		134																
1976 JUN 01	12:00E			111																
1976 JUN 22	12:00E	18.0		37																
1976 JUL 06	12:00E	18.0		1 290																
1976 JUL 20	12:00E	18.0		131																
1976 AUG 04	12:00E	21.0		110																
1976 AUG 17	12:00E	18.0		760																
1976 AUG 31	12:00E	16.0		249																
1976 SEP 15	12:00E	14.0		84																
1976 SEP 28	12:00E	12.0		74																
1976 OCT 13	12:00E	2.0		79																
1977 MAY 17	12:00E	11.0		84																
1977 JUN 07	12:00E	17.0		277																
1977 JUN 15	12:00E	17.0		976																
1977 JUN 29	12:00E	17.0		833																
1977 JUL 13	12:00E	17.0		140																
1977 JUL 27	12:00E	18.0		40																
1977 AUG 10	12:00E	18.0		47																
1977 AUG 22	12:00E	14.0		81																
1977 SEP 06	12:00E	12.0		87																
1977 SEP 21	12:00E	11.0		280																
1977 OCT 05	12:00E	7.0		42																
1978 JUN 14	12:00E	18.0		83																
1978 JUN 28	12:00E	19.0		135																
1978 JUL 12	12:00E			81																
1978 JUL 26	12:00E	17.0		30																
1978 AUG 09	12:00E	18.0		46																
1978 AUG 23	12:00E	15.0		29																
1978 SEP 20	12:00E	9.0		118																
1978 OCT 04	12:00E			87																
1979 JUL 04	12:00E	21.0		108		143														

TIME SYMBOL E - ESTIMATED

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL R - SAMPLES COLLECTED IN SEVERAL VERTICALS

CONTINUED

REVILLON COUPE BELOW RIVIERE DES ROCHERS - STATION NO. 07NA004 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1979 JUL 18	12:00E	20.0		343	147														
1979 AUG 29	12:00E	13.0		57	97														
1979 SEP 12	12:00E	10.0		70	109														
1979 OCT 10	12:00E	5.0		83	85														
1980 JUN 11	12:00E	16.0		40	167														
1980 JUL 08	13:55	19.0	49.6	392 K	154	32	43	71	93	98	99	100					1	58	43
1980 JUL 23	12:00E	17.0		98	152														
1980 AUG 07	12:00E	17.0		110	167														
1980 AUG 20	12:00E	16.0		104	147														
1980 SEP 03	12:00E			108	151														
1980 OCT 02	12:00E	5.0		83	180														
1981 JUN 24	12:00E	17.5		43	186														
1981 JUL 09	12:00E	18.0		110	136														
1981 JUL 22	12:00E	19.0		57	152														
1981 AUG 05	12:00E	19.0		31	148														
1981 SEP 02	12:00E	13.0		62	86														
1981 SEP 18	12:00E	13.0		34	77														
1981 OCT 06	12:00E	4.0		89	111														

TIME SYMBOL: E - ESTIMATED

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

REVILLON COUPE BELOW RIVIERE DES ROCHERS - STATION NO. 07NA004

BED MATERIAL PARTICLE-SIZE ANALYSIS

DATE	TIME	INSTANT. DISCHARGE (m^3/s)	NUMBER OF SAMPLING POINTS	TYPE OF SAMPLER	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	4.00	8.00	16.00	32.00	64.00
1973 MAY 29	15:40		7	BMS4	69	85	94	98	100										
1973 OCT 15	17:10		7	BMS4	56	78	92	98	100										
1977 JUL 13	14:15		5	BMH60	84	95	99	100											
1978 AUG 05	13:00		5	BMH60	80	97	100												
1978 OCT 10	12:00E		5	UNKNOWN	63	81	94	100											
1980 SEP 03	12:00E		5	BMH60	91	98	99	100											

TIME SYMBOL: E - ESTIMATED

RIBSTONE CREEK NEAR CZAR - STATION NO. 05FD005

LOCATION: LAT 52 25 17 N LONG 110 44 15 W
DRAINAGE AREA: 1 830 km^2
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 12	14:00			32	423														
1971 MAY 12	14:01			14	443														

RIVIERE DES ROCHERS AT BEN HOULE'S CABIN - STATION NO. 07NA002

LOCATION: LAT 58 49 10 N LONG 111 16 30 W
DRAINAGE AREA: km²
TYPE OF FLOW: REGULATED SINCE 1987
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 JUN 02	12:00E	13.5		143																
1971 JUN 03	12:00E			99																
1971 JUN 04	12:00E	15.5		87																
1971 JUN 05	12:00E	14.5		150																
1971 JUN 07	12:00E	15.0		163																
1971 JUN 08	12:00E	16.5		206																
1971 JUN 09	13:00E	15.0		228																
1971 JUN 10	12:00E	15.0		240																
1971 JUN 11	12:00E	16.5		104																
1971 JUN 14	12:00E	15.5		239																
1971 JUN 15	12:00E	16.5		235																
1971 JUN 16	12:00E			207																
1971 JUN 19	12:45			470	K		56	85	90	95	95	98	97	99	100			4	31	65
1971 JUN 21	12:00E			208																
1971 JUN 22	12:00E	16.5		277																
1971 JUN 23	12:00E	18.0		398																
1971 JUN 24	13:40			298	K		21	29	48	69	84	95	99	100				4	67	29
1971 JUN 25	12:00E			308																
1971 JUN 28	14:50	15.0	1 130	796	K		83	78	93	98	99	100						0	22	78
1971 JUN 30	12:00E	17.0		131																
1971 JUL 02	12:00E	18.0		197																
1971 JUL 05	12:00E	18.5		263																
1971 JUL 08	12:00E	16.0		465																
1971 JUL 09	15:10		1 780	272	K		50	83	81	92	97	99	100					1	36	63
1971 JUL 12	12:00E	18.5		276																
1971 JUL 13	12:00E			265																
1971 JUL 14	12:00E			268																
1971 JUL 15	12:00E			293																
1971 JUL 16	10:00		835	319	K		47	59	90	95	98	98	99	100				2	39	59
1971 JUL 21	12:00E	18.0		533																
1971 JUL 22	08:40			432	K		57	75	95	99	99	99	100					1	24	75
1971 JUL 28	12:00E			286																
1971 JUL 30	12:00E			172																
1971 AUG 03	12:00E			160																
1971 AUG 08	12:00E			195																
1971 AUG 11	12:00E			135																
1971 AUG 12	12:00E			183																
1971 AUG 13	12:00E	14.5		143																
1971 AUG 17	12:00E			181																
1971 AUG 18	12:00E	16.5		166																
1971 AUG 20	12:00E			144																
1971 AUG 23	12:00E			112																
1971 AUG 24	12:00E			110																
1971 AUG 25	12:00E	17.0		110																
1971 AUG 26	12:00E	16.0		112																
1971 AUG 27	12:00E			411																
1971 SEP 01	12:00E			94																
1971 SEP 08	15:30	14.5	2 170	2 770	K		4	8	15	30	50	65	82	89	100			35	57	8
1971 SEP 15	12:00E	14.0		133																
1971 SEP 28	12:00E	5.5		128																
1972 JUN 28	12:20	18.5	988	327	R		58	78	93	98	99	100						0	22	78
1972 JUN 29	12:00E	18.5		284																
1972 JUN 30	12:00E	16.5		252																
1972 JUL 05	12:05	18.5	1 070	269	K		59	70	87	96	99	100						0	30	70
1972 JUL 13	12:00E	16.5		281																
1972 JUL 14	12:00E	18.0		393																
1972 JUL 18	12:00E	17.0		131																
1972 JUL 21	12:00E	18.0		160																
1972 AUG 04	12:00E	15.0		85																
1972 AUG 08	12:00E	16.5		81																
1972 AUG 16	12:00E	18.0		80																
1972 AUG 21	12:00E	18.0		41																
1973 MAY 30	16:50	12.0		291	R		29	40	58	70	83	95	99	100				4	56	40
1973 JUN 14	14:05	15.5		278	K		33	33	83	90	97	98	100					2	65	33
1973 JUN 27	13:40	17.0		387	K		49	72	91	98	99	99	99	100				1	27	72
1973 JUL 13	12:00E	20.0		168																
1973 AUG 07	12:00E	18.0		68																
1973 AUG 21	15:05	13.5		342	K		24	36	61	82	90	97	100					3	59	38
1973 SEP 06	12:00E	13.5		226																
1973 SEP 28	12:00E	8.0		35																
1973 OCT 15	12:00E	2.0		28																
1974 AUG 26	12:00E			40																
1974 SEP 25	12:00E			121																
1974 OCT 07	12:00E			128																
1974 NOV 01	12:00E			84																
1975 MAY 26	12:00E	2.0		116																
1975 JUN 04	12:00E	11.0		97																
1975 JUN 18	12:00E	13.0		116																
1975 JUL 05	12:00E	20.0		133																
1975 JUL 17	12:00E			163																
1975 AUG 01	12:00E	18.0		88																
1975 AUG 15	12:00E	17.0		40																
1975 SEP 09	12:00E	11.0		205																
1975 SEP 22	12:00E	10.0		84																
1975 OCT 07	12:00E	4.0		90																

TIME SYMBOL: E - ESTIMATED

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL R - SAMPLES COLLECTED IN SEVERAL VERTICALS

CONTINUED

RIVIERE DES ROCHERS AT BEN HOULE'S CABIN - STATION NO. 07NA002 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 OCT 23	12:00E	3.0		44															
1976 MAY 17	12:00E	10.0		108															
1976 JUN 01	12:00E	15.0		126															
1976 JUN 22	12:00E	18.0		37															
1976 JUL 06	12:00E	19.0		305															
1976 JUL 20	12:00E	18.0		84															
1976 AUG 05	12:00E	19.0		83															
1976 AUG 17	12:00E	19.0		76															
1976 AUG 31	12:00E	18.0		135															
1976 SEP 15	12:00E	12.0		51															
1976 SEP 28	12:00E	12.0		83															
1976 OCT 13	12:00E	2.0		65															
1977 MAY 17	12:00E	11.0		351															
1977 JUN 07	12:00E	14.0		182															
1977 JUN 16	12:00E	15.0		237															
1977 JUL 13	12:00E	16.0		51															
1977 JUL 27	12:00E	19.0		41															
1977 AUG 10	12:00E	15.0		45															
1977 AUG 23	12:00E	14.0		31															
1977 SEP 06	12:00E	12.0		23															
1977 SEP 21	12:00E	11.0		34															
1977 OCT 05	12:00E	7.0		48															
1978 JUN 14	12:00E	15.0		67															
1978 JUN 28	12:00E	18.0		81															
1978 JUL 12	12:00E	18.0		85															
1978 JUL 26	12:00E	17.0		38															
1978 AUG 09	12:00E	18.0		40															
1978 AUG 23	12:00E	15.0		28															
1978 SEP 20	12:00E			58															
1978 OCT 04	12:00E	7.0		175															
1979 JUN 20	12:00E			81	188														
1979 AUG 29	12:00E	13.0		48	109														
1979 SEP 12	12:00E	10.0		72	145														
1979 OCT 10	12:00E	8.0		77	110														
1980 JUN 11	12:00E	16.0		55	188														
1980 JUL 09	12:00E	19.0		183	180														
1980 JUL 23	12:00E	17.0		85	181														
1980 AUG 07	12:00E	17.0		121	157														
1980 AUG 20	12:00E	16.0		108	139														
1980 SEP 03	12:00E			118	143														
1980 OCT 02	12:00E	6.0		103	135														
1981 JUN 24	12:00E	17.5		46	183														
1981 JUL 09	12:00E	16.0		134	116														
1981 JUL 22	12:00E	18.0		67	143														
1981 AUG 05	12:00E	19.0		33	146														

TIME SYMBOL: E - ESTIMATED

RIVIERE DES ROCHERS AT BEN HOULE'S CABIN - STATION NO. 07NA002

BED MATERIAL PARTICLE-SIZE ANALYSIS

DATE	TIME	INSTANT. DISCHARGE (m^3/s)	NUMBER OF SAMPLING POINTS	TYPE OF SAMPLER	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	4.00	8.00	16.00	32.00	64.00
1973 MAY 30	17:35		7	BMS4	46	53	57	57	100										
1974 SEP 25	14:15		7	BMH60	90	97	95	95	99	99	100								
1975 AUG 01	12:50		5	BMH60	82	83	84	88	100										
1977 JUL 13	11:30		4	BMH60	91	92	95	98	100										
1978 AUG 08	11:13		5	BMH60	71	89	98	100											
1979 OCT 10	12:00E		5	UNKNOWN	54	74	83	100											
1980 SEP 03	12:00E		5	BMH60	77	88	96	100											

TIME SYMBOL: E - ESTIMATED

ROCKY CREEK NEAR VALLEYVIEW - STATION NO. 07GF005

LOCATION: LAT 54 58 05 N LONG 117 48 35 W
DRAINAGE AREA: 18.6 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 MAY 29	12:00E	13.0	0.009	H	17																	
1975 JUN 16	12:00E	14.0	0.003	H	14																	
1975 JUL 09	12:00E	18.0	0.004	H	8																	
1978 APR 27	12:00E	0.1	1.01	H	154																	
1978 AUG 16	12:00E		0	H	13																	
1978 AUG 30	12:00E		0	H	16																	
1978 SEP 18	12:00E	2.0	0.142	H	13																	
1978 OCT 17	12:00E	4.0	0.008	H	3																	
1979 MAY 02	13:00E	2.0	0.859	H	35		104															
1979 MAY 03	12:00E	1.0	0.511	H	28																	
1979 MAY 07	13:00E		0.420	H	21		126															
1979 MAY 16	12:00E	7.0	0.588	H	144																	
1979 MAY 17	12:00E	7.0	1.18	H	101		112															
1979 MAY 18	12:00E	5.0	0.880	H	88																	
1979 JUN 06	12:00E	7.0	0.080	H	14		186															
1979 JUL 20	12:00E		0.022	H	14		188															
1979 AUG 08	12:00E		0.004	H	35		263															
1979 AUG 29	12:00E	14.0	0.001	H	24		278															
1980 SEP 15	13:00E		0.003	H	8		232															
1980 OCT 06	13:00E		0.006	H	5		188															
1980 NOV 05	12:00E		0.007	H	3		191															
1981 MAR 27	12:00E	0.1	0.003	W	13		323															
1981 MAR 30	12:00E	1.0	0.011	W	15																	
1981 APR 01	12:00E	1.0	0.021	W	14																	
1981 APR 03	12:00E	0.1	0.048	W	10		266															
1981 APR 06	12:00E	0.1	0.153	W	17																	
1981 APR 10	12:00E	0.1	0.171	W	10		197															
1981 APR 15	12:00E	1.0	0.065	W	7		192															
1981 APR 18	12:00E	1.0	0.112	W	7																	
1981 APR 23	12:00E	0.1	0.201	H	9		136															
1981 APR 30	12:00E	8.0	0.113	H	8																	
1981 MAY 11	12:00E	12.0			14		206															
1981 MAY 14	12:00E	11.0	0.017	H	14																	
1981 MAY 25	12:00E	17.0	0.017	H	12																	
1981 JUN 01	12:00E	18.0	0.021	H	10		211															
1981 JUN 08	12:00E	10.0	0.006	H	88		222															
1981 JUN 22	12:00E	15.0	0.003	H	31		237															
1981 JUL 02	12:00E	15.5	0.002	H	48		263															
1981 JUL 08	12:00E	14.5	0.001	H	21	K	264	K														
1981 JUL 20	12:00E	18.0	0.001	H	20		287															
1981 JUL 23	12:00E	15.5	0.048	K	14		229															
1981 JUL 27	12:00E	14.5	0.015	H	10		212															
1981 AUG 10	12:00E	20.0	0.001	H	15	K	252	K														
1981 SEP 08	12:00E	14.0	0.001	H	15		248															
1981 SEP 18	12:00E	13.0	0	H	13		278															
1981 OCT 05	12:00E	4.0	0.001	H	15	K	248	K														
1981 NOV 09	12:00E	3.0	0.002	W	79		244															
1981 NOV 15	12:00E	0.1	0.002	W	10		259															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS
CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL
DISSOLVED SOLIDS SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

ROSEBUD RIVER BELOW CARSTAIRS CREEK - STATION NO. 05CE005

LOCATION: LAT 51 25 00 N LONG 113 43 35 W
DRAINAGE AREA: 753 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 10	15:15			135	605														

ROSS CREEK NEAR IRVINE - STATION NO. 05AH003

LOCATION: LAT 49 58 27 N LONG 110 22 00 W
DRAINAGE AREA: 947 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 04	20:30			140	507														

SAGE CREEK AT O RANCH NEAR WILDHORSE - STATION NO. 11AA025

LOCATION: LAT 49 08 29 N LONG 110 13 23 W
DRAINAGE AREA: 456 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 09	18:45			32	249														

SAKWATAMAU RIVER NEAR WHITECOURT - STATION NO. 07AH003

LOCATION: LAT 54 12 05 N LONG 115 48 40 W
DRAINAGE AREA: 440 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1979 MAY 02	12:00E	1.0	23.6 H	408	107														
1979 MAY 15	12:00E	5.0	41.5 H	380	99														
1979 MAY 28	12:00E	10.0	21.7 H	85	114														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN

SAWRIDGE CREEK NEAR SLAVE LAKE - STATION NO. 07BK005

LOCATION: LAT 55 17 00 N LONG 114 48 30 W
DRAINAGE AREA: 233 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1978 OCT 11	12:00E	7.0	1.25 H	38															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN

ALBERTA

SEVEN PERSONS CREEK AT MEDICINE HAT - STATION NO. 05AH005

LOCATION: LAT 50 01 25 N LONG 110 41 02 W
DRAINAGE AREA: 3 270 km²
TYPE OF FLOW: REGULATED SINCE 1955
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1979 JUL 31	12:00E	24.0	2.27	H	30	387														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

SHEEP RIVER AT BLACK DIAMOND - STATION NO. 05BL014

LOCATION: LAT 50 41 14 N LONG 114 14 34 W
DRAINAGE AREA: 595 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1974 JUL 29	12:00E	20.0	4.64	H	4																
1974 AUG 30	12:00E	9.4	5.38	H	4																
1974 OCT 01	12:00E	3.8	3.34	H	1																
1974 NOV 05	12:00E	5.0	2.19	H	3																
1975 APR 21	12:00E	3.0	3.65	H	82																
1975 JUN 02	12:00E	11.0	15.2	H	46																
1975 JUN 26	12:00E	7.0	24.4	H	150																
1975 JUL 28	12:00E	15.0	4.90	H	3																
1975 AUG 26	12:00E	16.0	3.79	H	3																
1975 SEP 29	12:00E	11.0	2.41	H	1																
1975 OCT 24	12:00E	1.0	1.81	H	17																
1976 APR 30	12:00E	15.0	2.72	H	6																
1976 MAY 10	12:00E	10.0	14.0	H	153																
1976 MAY 18	12:00E	10.0	10.1	H	20																
1976 MAY 26	12:00E	9.0	12.7	H	67																
1976 JUN 24	12:00E	11.0	9.51	H	19																
1976 JUL 26	12:00E	16.0	3.65	H	4																
1976 AUG 03	12:00E		5.10	H	44																
1976 AUG 05	12:00E		23.6	H	2 730																
1976 AUG 24	12:00E	16.0	4.87	H	8																
1976 SEP 24	12:00E		3.23	H	0																
1976 SEP 30	12:00E	11.0	2.94	H	1																
1977 APR 05	12:00E	1.0	2.89	H	24																
1977 MAY 03	12:00E	10.0	2.19	H	4																
1977 MAY 10	12:00E	16.0	4.50	H	23																
1977 MAY 17	12:00E	13.0	4.59	H	6																
1977 MAY 25	12:00E	9.0	7.18	H	28																
1977 JUN 27	12:00E	17.0	3.23	H	4																
1977 JUL 25	12:00E	24.0	2.10	H	1																
1977 AUG 25	12:00E	10.0	5.18	H	28																
1977 SEP 26	12:00E	6.0	3.80	H	80																
1978 MAY 01	12:00E	7.0	11.8	H	148																
1978 MAY 31	12:00E	4.0	24.4	H	320																
1978 JUN 06	12:00E	8.0	43.3	H	727																
1978 JUN 22	12:00E	12.0	16.2	H	28																
1978 AUG 02	12:00E	12.0	7.18	H	7																
1978 AUG 28	12:00E	15.0	3.94	H	8																
1978 SEP 25	12:00E	9.0	3.80	H	3																
1979 APR 23	12:00E	3.0	2.15	H	10		277														
1979 MAY 30	12:00E	8.0	10.0	H	21		171														
1979 JUN 25	12:00E	13.0	7.10	H	8		170														
1979 JUL 23	12:00E	15.0	3.58	H	8		190														
1979 AUG 20	12:00E	16.0	2.78	H	0		198														
1979 SEP 24	12:00E	10.0	1.76	H	3		227														
1980 APR 14	12:00E	1.5	4.19	H	180		188														
1980 MAY 05	12:00E	11.0	8.85	H	24		187														
1980 MAY 26	17:35	8.0	43.9		1 340	K	159														
1980 MAY 29	12:00E	8.0	25.6	H	270		184	16	24	35	50	65	73	85	95	98	99		21	55	24
1980 JUL 02	12:00E	12.0	7.30	H	5		209														
1980 JUL 24	12:00E	21.0	3.60	H	3		216														
1980 AUG 25	12:00E	13.0	4.63	H	5		217														
1980 OCT 08	12:00E	12.0	3.15	H	1		214														
1981 MAR 10	12:00E	12.0	1.09	H	18		244														
1981 MAR 31	12:00E		2.17	H	18		204														
1981 APR 28	12:00E	8.0	1.75	H	7		231														
1981 MAY 22	12:00E	5.0	85.8	H	1 180		141														
1981 MAY 26	12:00E	4.0	87.0	H	1 410		152														
1981 JUN 02	12:00E	8.0	38.5	H	187		173														
1981 JUL 02	12:00E	8.0	17.4	H	23		171														
1981 JUL 30	12:00E	9.0	10.8	H	43		197														
1981 AUG 24	12:00E	15.0	4.65	H	9		224														
1981 SEP 28	12:00E	8.0	2.58	H	8		234														
1982 APR 23	12:00E	1.0	4.38	H	30		174														
1982 MAY 04	12:00E	3.0	3.14	H	29		177														
1982 MAY 26	12:00E	6.0	9.27	H	137		137														
1982 JUN 07	12:00E	3.0	14.2	H	74		175														
1982 JUL 09	12:00E	12.0	7.61	H	8		208														
1982 JUL 12	12:00E	18.0	5.25	H	8		219														
1982 AUG 23	12:00E	11.0	2.00	H	2		231														
1982 SEP 28	12:00E	6.0	3.92	H	6		226														
1983 MAY 04	12:00E	3.0	8.62	H	37		173														
1983 MAY 30	12:00E	9.0	20.6	H	129		156														
1983 JUN 23	12:00E	15.0	6.61	H	14		176														
1983 JUL 05	12:00E	10.0	8.30	H	18		157														
1983 JUL 27	12:00E	15.0	4.50	H	5		192														
1983 AUG 31	12:00E	16.0	1.97	H	1		212														
1983 SEP 20	12:00E	8.0	1.69	H	1		228														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

ALBERTA

SHEEP RIVER AT OKOTOKS - STATION NO. 05BL012

LOCATION: LAT 50 43 17 N LONG 113 58 51 W
DRAINAGE AREA: 1 500 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP.	INSTANT. DISCHARGE	INSTANT. CONCENT.	DISSOLVED SOLIDS	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES										PERCENT		
						.002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	SAND	SILT	CLAY
		(°C)	(m³/s)	(mg/L)	(mg/L)														
1976 MAY 14	12:00E			82															

TIME SYMBOL: E - ESTIMATED

SIFFLEUR RIVER NEAR THE MOUTH - STATION NO. 05DA002

LOCATION: LAT 52 02 39 N LONG 116 23 02 W
DRAINAGE AREA: 515 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 APR 24	12:00E	1.0	1.28	W	3															
1975 MAY 28	12:00E	4.0	4.16	H	1															
1975 JUL 03	12:00E	8.0	28.6	H	12															
1975 JUL 10	12:00E	9.0	35.1	H	32															
1975 JUL 25	12:00E		20.4	H	8															
1975 JUL 29	12:00E	10.0	24.0	H	15															
1975 AUG 27	12:00E	7.0	8.83	H	0															
1975 OCT 01	12:00E	4.0	4.22	V	0															
1975 OCT 28	12:00E	1.0	2.80	W	2															
1976 MAY 18	12:00E	6.0	10.1	H	7															
1976 JUN 28	12:00E	7.0	15.6	V	3															
1976 JUL 20	12:00E		32.8	V	17															
1976 AUG 25	12:00E		25.1	V	14															
1976 SEP 20	12:00E	8.0	11.6	V	2															
1976 OCT 28	12:00E	3.0	3.43	V	1															
1977 MAY 05	12:00E		3.98	V	2															
1977 MAY 31	12:00E		7.28	H	0															
1977 JUN 28	12:00E	7.0	19.3	H	8															
1977 JUL 27	12:00E	9.0	21.8	H	11															
1977 AUG 30	12:00E	6.0	11.3	H	3															
1977 SEP 28	12:00E	2.0	5.66	H	3															
1977 NOV 01	12:00E	1.0	2.37	V	1															
1978 APR 24	12:00E		1.36	V	0															
1978 MAY 31	12:00E		7.22	H	2															
1978 JUN 23	12:00E		33.1	H	11															
1978 AUG 23	12:00E		12.3	H	4															
1978 SEP 20	12:00E		11.1	V	2															
1978 MAY 03	12:00E	1.0	2.62	V	5	210														
1978 MAY 24	12:00E	6.0	12.2	H	28	149														
1978 JUN 27	12:00E	7.0	26.6	H	0	113														
1978 JUL 19	12:00E	6.0	27.4	H	10	87														
1978 AUG 27	12:00E	7.0	16.5	H	17	113														
1978 SEP 18	12:00E	6.0	8.95	V	5	180														
1978 OCT 17	12:00E	5.0	4.93	V	3	181														
1978 NOV 07	12:00E	0.1	1.45	W	1	285														
1980 APR 23	12:00E		2.09	V	4	206														
1980 APR 28	12:00E		18.8	V	13	140														
1980 MAY 06	12:00E	6.0	18.8	H	15	137														
1980 MAY 30	12:00E		17.4	H	8	140														
1980 JUN 24	12:00E		27.8	H	43	120														
1980 AUG 18	12:00E	10.0	12.6	V	4	145														
1980 SEP 16	12:00E	8.0	7.82	V	5	180														
1981 MAY 05	12:00E	2.0	4.08	V	5	207														
1981 JUN 09	12:00E	8.0	16.1	H	5	140														
1981 JUL 29	12:00E	13.0	44.8	H	64	121														
1981 AUG 25	12:00E		19.1	H	8	133														
1981 SEP 22	12:00E	7.0	7.83	H	3	162														
1981 OCT 20	12:00E	1.0	3.47	V	2	211														
1982 APR 26	12:00E	0.1			2	249														
1982 MAY 11	12:00E	4.0	2.73	H	5	246														
1982 JUN 08	12:00E	8.0	11.5	H	4	187														
1982 JUL 08	12:00E	8.0	27.9	H	11	111														
1982 AUG 17	12:00E	10.0	16.8	H	4	138														
1982 SEP 16	12:00E	5.0	10.5	H	2	144														
1982 OCT 25	12:00E	3.0	4.81	H	3	200														
1983 MAY 11	12:00E	3.0	3.07	V	2	211														
1983 JUN 02	12:00E	8.0	24.0	H	18	118														
1983 JUN 27	12:00E		18.2	H	5	122														
1983 JUL 25	12:00E	7.0	20.9	H	5	129														
1983 AUG 23	12:00E	8.0	11.5	H	18	139														
1983 SEP 19	12:00E	4.0	5.12	V	1	177														
1983 OCT 18	12:00E	3.0	3.40	V	1	203														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS

SIMONETTE RIVER NEAR GODDWIN - STATION NO. 07GF001

LOCATION: LAT 55 08 30 N LONG 118 10 30 W
DRAINAGE AREA: 5 050 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1974 SEP 19	12:00E	14.4	5.46	H	11															
1974 NOV 07	12:00E	0.5	2.20	W	17															
1975 APR 29	12:00E	2.0	71.4	V	972															
1975 MAY 28	12:00E		28.7	H	85															
1975 JUN 09	12:00E	18.0	14.4	H	15															
1975 JUL 14	12:00E	20.0	10.0	H	31															
1975 AUG 19	12:00E	17.0	3.77	H	4															
1975 SEP 24	12:00E	13.0	5.32	H	8															
1975 OCT 02	12:00E	1.0	4.33	H	11															
1976 APR 08	12:00E		35.7	W	4 300															
1976 APR 09	12:00E	0.1	44.2	W	2 180															
1976 APR 16	12:00E	1.0	103	H	1 110															
1976 APR 20	12:00E	2.0	70.8	H	512															
1976 APR 28	12:00E	7.0	57.2	H	257															
1976 MAY 20	12:00E		27.8	H	108															
1976 JUN 29	12:00E		303	H	3 290															
1976 JUL 26	12:00E	18.0	9.77	H	24															
1977 APR 11	12:00E	3.0	215	H	2 690															
1977 APR 13	12:00E	5.0	130	H	1 360															
1977 APR 27	12:00E	14.0	56.9	H	551															
1977 MAY 25	12:00E	11.0	89.9	V	314															
1977 JUN 28	12:00E	20.0	20.5	H	43															
1977 JUL 27	12:00E	22.0	27.4	H	47															
1977 SEP 08	12 00E	13.0	30.6	H	35															
1977 OCT 03	12:00E	5.0	32.8	H	83															
1977 OCT 26	12:00E	5.0	23.3	H	19															
1978 MAY 02	15:00	8.0	108		1 200 K		18	23	33	42	49	55	62	82	94	98		45	32	23
1978 MAY 31	12:00E	12.0	50.1	H	734															
1978 JUN 22	12:00E	17.0	54.1	H	722															
1978 JUL 27	12:00E	21.0	11.2	H	10															
1978 AUG 30	12:00E	17.0	8.95	H	6															
1978 SEP 29	12 00E	9.0	35.1	H	51															
1978 OCT 25	12 00E	4.0	10.8	H	12															
1979 APR 25	12:00E	0.1	32.3	W	183	148														
1979 MAY 10	12:00E		85.2	H	780	130														
1979 MAY 18	12 00E		298	H	3 080	164														
1979 JUN 07	12 00E	15.0	55.7	H	222	167														
1979 JUN 16	12:25	1.0	414		3 790 K	160	20	25	34	45	57	73	87	98	99	100		27	47	26
1979 JUN 19	12:00E	11.0	147	H	1 030															
1979 JUL 11	12:00E		37.0	H	131	160														
1979 AUG 16	12:00E	21.0	8.57	H	13	233														
1979 SEP 17	12:00E	14.0	7.64	H	7	232														
1979 OCT 30	12:00E	2.0	6.59	H	6	253														
1980 APR 22	13:15		67.6	H	613 K	149	38	42	58	74	81	85	90	94	97	98		15	43	42
1980 JUN 07	11:55		328		3 480 K	157	16	23	32	43	56	72	88	97	100			28	49	23
1980 JUN 24	12:00E	20.0	28.2	V	71	185														
1980 JUL 24	12:00E	21.0	20.8	V	40	202														
1980 AUG 28	12:00E	16.0	36.4	H	144	172														
1980 SEP 24	12:00E	8.0	53.3	H	189	181														
1981 APR 28	12:20	4.0	68.0	H	487 K	168	24	35	50	58	65	70	78	88	94	97		30	35	35
1981 JUL 02	12:00E		12.0	H	19	241														
1981 SEP 04	12:00E	14.0	4.81	H	3	257														
1981 OCT 01	12:00E	8.0	4.83	H	24	258														
1981 OCT 29	12:00E	4.0	6.92	H	8	272														
1982 MAY 05	17:25	5.0	82.4	H	942 K	185	22	27	45	62	73	78	83	93	98	99		22	51	27
1982 JUL 15	17:10	18.0	94.8	H	2 880 K	188	14	18	24	31	42	59	79	92	99	100		41	41	18
1982 AUG 26	12:00E	13.0	32.0	V	78	235														
1982 OCT 05	12:00E	8.0	33.7	H	42	228														
1983 APR 27	12:00E	4.0	40.8	H	439	171														
1983 MAY 25	12:00E	11.0	23.6	V	82	196														
1983 JUN 23	12:05	12.0	204		2 430 K	184	23	28	40	52	66	77	86	95	99	100		23	49	28
1983 JUL 16	16:00	13.0	397		7 230 K	190	17	24	32	45	59	75	90	97	99	99		25	51	24
1983 JUL 18	12:20	13.5	268		2 240 K	178	24	30	43	61	75	88	99	100				12	58	30
1983 AUG 30	12:00E	15.0	10.3	H	37	288														
1983 SEP 27	12:00E	7.0	14.9	H	44	221														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

SMOKY RIVER ABOVE HELLS CREEK - STATION NO. 07GA001

LOCATION: LAT 53 56 46 N LONG 118 09 40 W
DRAINAGE AREA: 3 840 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1967 JUL 26	12:00E			41	132														
1967 AUG 01	12:00E	11.1		135	126														
1967 AUG 04	12:00E	10.0		85	126														
1967 AUG 07	12:00E	11.7		80	131														
1967 AUG 11	12:00E	11.1		130	129														
1967 AUG 14	12:00E	11.7		120	134														
1967 AUG 17	12:00E	13.9		80	135														
1967 AUG 20	12:00E	11.1		120	138														
1967 AUG 23	12:00E	7.2		130	142														
1967 AUG 31	12:00E	11.1		75	149														
1967 SEP 02	12:00E	10.0		210	148														
1967 SEP 05	12:00E	9.4		25	174														
1967 SEP 08	12:00E	8.3		24	172														
1967 SEP 12	12:00E	8.3		29	176														
1967 SEP 17	12:00E	8.3		70	160														
1967 SEP 22	12:00E	8.3		33	170														
1967 SEP 30	12:00E	7.8		31	179														
1967 OCT 08	12:00E	6.1		16	231														
1967 OCT 12	12:00E	5.0		19	233														
1967 OCT 17	12:00E	3.3		18	218														
1967 OCT 31	12:00E	1.7		11	247														
1967 NOV 14	12:00E	1.7		10	252														
1967 NOV 28	12:00E	1.1		12	254														

TIME SYMBOL: E - ESTIMATED

SNAKE INDIAN RIVER NEAR THE MOUTH - STATION NO. 07AB002

LOCATION LAT 53 09 28 N LONG 118 01 58 W
DRAINAGE AREA: 1 580 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 15	14:45			35	194														
1971 MAY 15	14:46			47	178														
1971 JUN 14	12:45			80	142														
1971 JUN 14	12:46			58	123														
1971 JUN 16	13:00			38	159														
1971 JUN 16	13:01			36	161														

SOUTH SASKATCHEWAN RIVER AT MEDICINE HAT - STATION NO. 05AJ001

LOCATION: LAT 50 02 35 N LONG 110 40 40 W
DRAINAGE AREA: 58 400 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1974 JUL 15	12:00E	16.7	328	H	88																
1974 AUG 12	12:00E	21.1	152	H	12																
1974 SEP 11	12:00E	10.0	95.4	H	9																
1974 OCT 28	12:00E	14.4	103	H	10																
1975 MAY 20	12:00E	8.0	722	H	1 210																
1975 JUN 16	12:00E	14.0	626	H	312																
1975 JUN 23	12:00E	14.0	2 880	H	2 930																
1975 JUN 25	12:00E	16.0	1 510	H	2 010																
1975 AUG 12	12:00E	21.0	106	V	8																
1975 SEP 15	12:00E	20.0	93.4	H	5																
1975 OCT 29	12:00E	4.0	138	H	17																
1976 MAR 31	12:00E	2.0	174	H	102																
1976 APR 06	12:00E	11.0	123	H	54																
1976 APR 12	12:00E	13.0	158	H	138																
1976 APR 28	12:00E		141	H	30																
1976 MAY 05	12:00E	10.0	126	H	1																
1976 MAY 11	12:00E	16.0	422	H	493																
1976 JUN 28	12:00E	17.0	382	H	160																
1976 JUL 29	12:00E	19.0	142	H	19																
1976 AUG 31	12:00E	21.0	204	H	35																
1976 SEP 30	12:00E	14.0	82.0	H	3																
1976 OCT 29	12:00E		90.9	H	7																
1977 MAR 11	12:00E		96.3	H	23																
1977 MAR 30	12:00E		88.0	H	50																
1977 MAY 24	12:00E		79.0	H	53																
1977 JUN 28	12:00E	20.0	49.6	H	11																
1977 JUL 27	12:00E	21.0	41.6	H	23																
1977 AUG 31	12:00E	14.0	85.1	H	18																
1977 SEP 27	12:00E	10.0	85.7	H	15																
1977 OCT 26	12:00E	7.0	54.7	H	13																
1978 MAR 30	12:00E	8.0	237	H	645																
1978 APR 24	12:00E	10.0	130	H	123																
1978 MAY 11	12:00E	13.0	218	H	182																
1978 MAY 28	12:00E	15.0	536	H	452																
1978 JUL 27	12:00E	22.0	230	H	46																
1978 AUG 31	12:00E	19.0	147	H	43																
1978 DEC 12	12:00E	0.1	96.0	W	11																
1978 MAY 02	12:00E	12.0	254	H	98		265														
1978 MAY 31	12:00E	16.0	708	H	808		151														
1978 JUL 05	12:00E		117	H	28		225														
1978 JUL 31	12:00E	24.0	47.8	V	4		238														
1978 SEP 24	12:00E	14.0	32.6	H	9		258														
1978 OCT 31	12:00E	4.0	32.1	H	75		298														
1980 APR 10	12:00E	0.1	147	H	204		248														
1980 MAY 09	12:00E	15.0	288	H	215		181														
1980 MAY 29	12:40	17.0	1 090		3 020	K		18	26	39	58	77	93	98	99	100			7	67	26
1980 JUN 26	12:00E	18.0	388	H	118		192														
1980 AUG 29	12:00E	13.0	84.1	H	24		235														
1980 OCT 09	12:00E	14.5	84.9	H	33		228														
1981 MAR 12	12:00E	1.0	104	W	28		230														
1981 MAY 01	12:00E	15.0	123	H	78		204														
1981 MAY 28	10:45	15.0	1 540	H	1 780	K	192	22	33	48	62	78	90	98	99	100			10	67	33
1981 AUG 20	12:00E	24.0	218	H	25		188														
1981 SEP 28	12:00E	13.0	47.4	H	17		238														
1982 JUN 23	12:00E	21.0	558	H	348		174														
1982 JUL 28	12:00E	22.0	100	H	185		208														
1982 SEP 28	12:00E	8.0	53.8	H	88		237														
1982 OCT 27	12:00E	3.0	87.7	H	42		263														
1983 MAR 31	12:00E	0.1	118	V	18		274														
1983 APR 20	12:00E	12.0	73.8	H	10		288														
1983 JUN 02	12:00E	17.0	361	V	387		178														
1983 JUN 21	12:00E	18.0	138	H	57		206														
1983 JUL 07	12:00E	24.0	206	H	101		206														
1983 AUG 04	12:00E	23.0	54.1	H	28		212														
1983 AUG 29	12:00E	23.0	42.4	H	12		227														
1983 SEP 26	12:00E	18.0	27.1	H	8		285														
1983 NOV 03	12:00E	3.0	36.8	H	17		306														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE W - DAILY MEAN, ICE CONDITIONS

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

SPRAY RIVER AT BANFF - STATION NO. 05BC001

LOCATION: LAT 51 09 35 N LONG 115 33 16 W
DRAINAGE AREA: 749 km²
TYPE OF FLOW: REGULATED SINCE 1949
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 MAY 29	12:00E	4.0	2.44	H	2															
1975 JUN 05	12:00E	4.0	4.19	H	7															
1975 JUN 26	12:00E		6.48	H	7															
1975 JUL 30	12:00E	9.0	7.02	H	112															
1975 AUG 26	12:00E	12.0	5.80	H	7															
1976 MAY 20	12:00E		5.04	H	8															
1976 JUN 14	12:00E		7.14	Y	3															
1976 JUL 26	12:00E		5.78	H	1															
1976 AUG 13	12:00E		5.80	Y	2															
1976 AUG 24	12:00E		5.20	H	13															
1976 OCT 28	12:00E		1.87	Y	1															
1977 APR 27	12:00E	4.0	1.48	Y	1															
1977 JUN 26	12:00E	12.0	4.70	H	8															
1977 JUL 26	12:00E	15.0	4.22	H	13															
1977 AUG 29	12:00E	7.0	3.88	H	3															
1977 SEP 28	12:00E	3.0	2.34	H	1															
1977 NOV 03	12:00E	1.0	1.53	Y	0															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN Y - DAILY MEAN; MANUAL GAUGE Y - DAILY MEAN, ESTIMATED

SPRING CREEK (UPPER) NEAR VALLEYVIEW - STATION NO. 07GF004

LOCATION: LAT 54 55 48 N LONG 117 42 20 W
DRAINAGE AREA: 33.4 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1966 APR 24	12:00E	7.0			27		142															
1966 MAY 01	12:00E	9.0			18		134															
1966 MAY 08	12:00E	8.0	1.07	H	17		150															
1966 MAY 16	12:00E	13.0	0.088	H	128		157															
1966 MAY 23	12:00E	18.0	0.065	H	28		163															
1966 JUN 04	12:00E	16.0	0.176	H	8		166															
1966 JUN 07	12:00E	16.5			8		173															
1966 JUN 11	12:00E	19.5			8		187															
1966 JUN 17	12:00E	15.0	0.125	H	8		171															
1966 JUN 25	12:00E	20.5	0.006	H	11		175															
1966 JUL 02	12:00E	17.0	0.051	H	7		192															
1966 JUL 10	12:00E	18.5	0.006	H	11		185															
1966 JUL 15	12:00E		0.006	Y	15		202															
1966 JUL 30	12:00E		0.010	H	11		186															
1975 MAY 29	12:00E	14.0	0.016	H	13																	
1975 JUN 18	12:00E	14.0	0.012	H	14																	
1975 JUL 09	12:00E	21.0	0.022	H	8																	
1978 APR 27	12:00E	0.1	0.422	H	61																	
1978 AUG 17	12:00E	2.0	0.008	H	22																	
1978 AUG 30	12:00E		0.003	H	14																	
1978 SEP 19	12:00E	6.0	0.227	H	6																	
1978 OCT 04	12:00E	8.0	0.091	H	12																	
1978 OCT 17	12:00E	5.0	0.028	H	8																	
1979 MAY 01	12:00E	1.0	2.40	H	17		87															
1979 MAY 02	12:00E	2.0	1.50	H	15																	
1979 MAY 03	12:00E	1.0	1.18	H	15																	
1979 MAY 04	12:00E	1.0	0.839	H	14																	
1979 MAY 07	12:00E	5.0	0.791	H	11		80															
1979 MAY 14	12:00E	8.0	0.443	H	8																	
1979 MAY 17	12:00E		3.40	H	15		83															
1979 MAY 18	12:00E		2.64	H	13		89															
1979 MAY 22	12:00E		0.552	H	8		104															
1979 JUN 05	12:00E	17.0	0.198	H	9		128															
1979 JUL 05	12:00E		0.114	H	28		145															
1979 JUL 20	12:00E		0.038	H	35		156															
1979 AUG 08	12:00E		0.005	H	95		181															
1979 AUG 29	12:00E	14.0	0.003	H	24		190															
1979 SEP 04	12:00E	15.0	0.157	H	29		186															
1980 APR 17	12:00E	2.0	0.482	H	52		92															
1980 APR 21	12:00E	1.0	0.183	H	58		89															
1980 JUN 09	12:00E	12.0	0.362	H	5		130															
1980 AUG 21	12:00E		0.007	H	11		173															
1980 SEP 16	12:00E		0.015	H	9		164															
1980 OCT 08	12:00E		0.013	H	7		158															
1980 NOV 05	12:00E	1.0	0.015	H	6		155															
1980 NOV 12	12:00E	0.1	0.012	W	8		170															
1981 MAR 27	12:00E	2.0	0.008	W	35		272															
1981 MAR 28	12:00E	2.0	0.011	W	33																	
1981 MAR 30	12:00E	0.1	0.018	W	30																	
1981 APR 01	12:00E	0.1	0.091	W	23																	
1981 APR 03	12:00E	1.0	0.178	H	20		167															
1981 APR 06	12:00E	0.1	0.159	H	10																	
1981 APR 08	12:00E	1.0	0.172	H	11																	
1981 APR 10	12:00E	0.1	0.316	H	9		138															
1981 APR 15	12:00E	0.1	0.183	H	7		147															
1981 APR 21	12:00E	2.0	0.857	H	18																	
1981 APR 23	12:00E	1.0	0.988	H	10		106															
1981 APR 29	12:00E	7.0	0.468	H	8																	
1981 MAY 11	12:00E	12.0	0.124	H	5		117															
1981 MAY 27	12:00E	15.5	0.052	H	4																	
1981 JUN 08	12:00E	11.0	0.025	H	15		165															
1981 JUN 22	12:00E	17.0	0.015	H	4		147															
1981 JUL 06	12:00E	19.0	0.004	H	58	K	153	K														
1981 JUL 20	12:00E	22.0	0.001	H	10		182															
1981 JUL 23	12:00E	16.5	0.030	H	7		140															
1981 JUL 27	12:00E	20.0	0.006	H	11		149															
1981 AUG 10	12:00E	19.0	0	H	8	K	187	K														
1981 AUG 24	12:00E	21.0	0.001	H	38	K	178	K														
1981 SEP 08	12:00E	15.0	0.001	H	8		173															
1981 SEP 21	12:00E	11.0	0.001	H	18	K	182	K														
1981 OCT 05	12:00E	2.0	0.001	H	5		176															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN, ICE CONDITIONS Y - DAILY MEAN; ESTIMATED

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

DISSOLVED SOLIDS SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

SPRING CREEK NEAR VALLEYVIEW - STATION NO. 07GF002

LOCATION: LAT 54 55 05 N LONG 117 50 58 W
DRAINAGE AREA: 112 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1978 APR 11	12:00E	0.1	1.95	W	182																	
1978 APR 12	12:00E	0.1	2.28	W	167																	
1978 APR 13	12:00E	0.1	2.69	W	288																	
1978 APR 14	12:00E	0.1	2.32	W	284																	
1978 APR 16	12:00E	0.1	0.956	W	80																	
1978 APR 17	12:00E	0.1	0.799	W	111																	
1978 APR 18	12:00E	0.1	1.17	W	217																	
1978 APR 19	12:00E	0.1	1.63	W	358																	
1978 APR 20	12:00E	0.1	2.28	W	435																	
1978 APR 21	12:00E	0.1	1.97	W	541																	
1978 APR 25	12:00E	0.1	1.28	V	121																	
1978 APR 26	12:00E	0.1	2.15	V	173																	
1978 APR 27	12:00E	0.1	2.76	V	451																	
1978 APR 28	12:00E	0.1	1.98	V	390																	
1978 APR 30	12:00E	0.1	8.54	V	828																	
1978 MAY 01	12:00E	6.0	4.25	V	438																	
1978 MAY 02	12:00E	6.0	3.45	V	326																	
1978 MAY 03	12:00E	5.0	2.50	V	197																	
1978 MAY 04	12:00E	7.0	1.95	V	140																	
1978 MAY 08	12:00E	2.0	0.818	V	85																	
1978 MAY 15	12:00E	2.0	0.541	H	45																	
1978 MAY 25	12:00E	3.0	1.42	H	159																	
1978 AUG 16	12:00E		0.023	H	13																	
1978 AUG 30	12:00E		0.024	H	8																	
1978 SEP 13	12:00E	2.0	0.159	H	35																	
1978 SEP 18	12:00E	2.0	0.909	H	128																	
1978 SEP 19	12:00E	2.0	0.903	H	72																	
1978 OCT 03	12:00E	4.0	0.256	H	28																	
1978 OCT 17	12:00E	4.0	0.082	H	24																	
1979 MAY 01	15:15	1.0	4.37	H	1 010	K	122		16	21	30	41	51	63	78	97	100			37	42	21
1979 MAY 02	12:00E	1.0	4.17	H	519																	
1979 MAY 03	12:00E	0.1	3.15	H	275																	
1979 MAY 04	12:00E	0.1	2.45	H	192																	
1979 MAY 07	12:00E		2.50	H	216																	
1979 MAY 08	12:00E	4.0	1.88	H	183		115															
1979 MAY 11	12:00E	5.0	2.01	Y	185		133															
1979 MAY 14	12:00E	5.0	1.38	H	81																	
1979 MAY 15	12:00E	7.0	1.18	H	87		142															
1979 MAY 16	12:00	5.0	4.06	H	1 570	K	157		20	25	33	44	58	71	87	99	100			29	48	25
1979 MAY 17	10:55	4.0	11.6	H	1 540	K	146		25	30	41	52	65	78	93	99	100			21	49	30
1979 MAY 18	12:00E	0.1	8.09	H	925																	
1979 MAY 22	12:00E	7.0	1.71	H	118		125															
1979 MAY 23	12:00E	9.0	1.41	H	101																	
1979 MAY 28	12:00E		0.884	H	89		142															
1979 JUN 14	12:00E	14.0	17.5	H	54		157															
1979 JUN 18	12:00E	14.0	3.88	H	344		184															
1979 JUL 05	12:00E		0.513	H	58		193															
1979 JUL 09	12:00E		0.253	H	35		210															
1979 JUL 20	12:00E		0.145	H	34		220															
1979 AUG 08	12:00E		0.019	H	79		293															
1980 APR 17	12:00E	2.0	1.28	W	571		106															
1980 APR 21	12:00E	2.0	0.538	W	448		122															
1980 JUN 09	12:00E	14.0	1.03	H	95		156															
1980 OCT 08	12:00E		0.045	H	24		218															
1980 NOV 05	12:00E	1.0	0.046	H	14		236															
1981 MAR 27	12:00E	1.0	0.068	W	31		281															
1981 MAR 30	12:00E	0.1	0.189	W	23																	
1981 APR 01	12:00E	1.0	0.317	W	18																	
1981 APR 03	12:00E	2.0	0.537	W	24																	
1981 APR 05	12:00E	0.1	0.855	W	28		199															
1981 APR 08	12:00E	0.1	0.784	W	79																	
1981 APR 15	12:00E	0.1	0.531	W	57		177															
1981 APR 21	12:00E	0.1	2.70	W	453		144															
1981 APR 23	12:00E	0.1	2.43	W	1 700		147															
1981 APR 29	12:00E	7.0	1.21	H	131																	
1981 MAY 11	12:00E	11.0	0.382	H	34		173															
1981 MAY 27	12:00E	15.5	0.183	H	23		209															
1981 JUN 08	12:00E	12.0	0.056	H	39		223															
1981 JUN 22	12:00E	16.0	0.023	H	37	K	227	K														
1981 JUL 06	12:00E	18.0	0.001	H	18	K	275	K														
1981 JUL 23	12:00E	15.5	0.114	H	38	K	258	K														
1981 AUG 04	12:00E	16.5	0.004	H	20		258															
1981 AUG 10	12:00E	20.0	0	H	13	K	278	K														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS
Y - DAILY MEAN; ESTIMATED

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

DISSOLVED SOLIDS SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

ALBERTA

ST. MARY RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 05AE027

LOCATION: LAT 49 00 12 N LONG 113 18 48 W
DRAINAGE AREA: 1 210 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INTERNATIONAL GAUGING STATION

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1977 APR 26	12:00E	4.0	9.29	H	45															
1977 MAY 10	12:00E	10.0	22.7	H	29															
1978 MAY 17	12:00E		60.8	H	233															
1978 MAY 19	12:00E		66.0	H	213															
1978 MAY 26	12:00E		83.0	H	108															
1978 JUN 08	12:00E		89.7	H	395															
1978 JUN 12	12:00E		89.2	H	87															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

STEEPBANK RIVER NEAR FORT MCMURRAY - STATION NO. 07DA005

LOCATION: LAT 57 00 14 N LONG 111 24 53 W
DRAINAGE AREA: 1 320 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JUN 24	12:00E	18.0	10.2	H	24															
1975 JUL 18	12:00E	20.0	55.8	V	741															
1975 SEP 18	12:00E	9.0	20.6	V	48															
1975 SEP 22	12:00E	8.0	18.7	V	51															
1975 OCT 17	12:00E	4.0	16.7	V	65															
1976 APR 12	12:00E	1.0	12.8	W	186															
1976 APR 13	12:00E	1.0	15.8	W	272															
1976 APR 15	12:00E	1.0	17.0	V	709															
1976 APR 20	12:00E	3.0	11.2	H	201															
1976 APR 29	12:00E		8.35	V	27															
1976 MAY 28	12:00E	15.0	4.19	V	6															
1976 JUL 12	12:00E	16.0	4.26	H	27															
1976 AUG 05	12:00E	19.0	3.68	H	9															
1976 AUG 09	12:00E		4.06	H	11															
1976 SEP 02	12:00E	13.0	15.6	H	88															
1976 SEP 18	12:00E	8.0	8.33	H	14															
1976 NOV 05	12:00E		3.26	W	6															
1977 APR 14	12:00E	0.1	9.51	W	189															
1977 APR 15	12:00E	0.1	11.6	W	431															
1977 APR 19	12:00E	1.0	9.12	W	294															
1977 APR 21	12:00E	2.0	12.6	H	415															
1977 MAY 02	12:00E	1.0	6.83	H	53															
1977 JUN 04	12:00E	10.0	12.2	H	87															
1977 JUN 29	12:00E	14.0	3.11	H	12															
1977 JUL 28	12:00E	18.0	4.53	H	6															
1977 AUG 25	12:00E	12.0	2.39	H	8															
1977 SEP 22	12:00E	11.0	2.38	H	3															
1977 OCT 18	12:00E	3.0	3.23	H	10															
1978 APR 21	12:00E	0.1	1.11	W	75															
1978 APR 23	12:00E	0.1	3.03	W	194															
1978 MAY 01	12:00E	0.1	15.6	V	251															
1978 MAY 30	12:00E	9.0	7.85	V	19															
1978 JUN 26	12:00E	17.0	5.41	H	11															
1978 JUL 24	12:00E	23.0	1.27	H	8															
1978 AUG 21	12:00E	12.0	11.6	H	37															
1978 SEP 18	12:00E	8.0	21.7	H	144															
1979 MAY 30	12:00E	10.0	23.3	H	118	48														
1979 JUN 25	12:00E	16.0	7.09	H	23	88														
1979 JUL 25	12:00E	16.0	4.12	H	11	133														
1979 AUG 22	12:00E	18.0	3.34	H	6	181														
1979 SEP 19	12:00E	9.0	9.38	H	13	107														
1979 OCT 18	12:00E	3.0	5.61	H	6	180														
1980 APR 22	12:00E	6.0	7.20	V	123	112														
1980 MAY 25	12:00E	11.0	1.04	H	10	262														
1980 JUN 27	12:00E	18.0	0.613	H	8	282														
1980 JUL 25	12:00E	17.0	1.49	H	8	296														
1980 AUG 27	12:00E	10.0	5.62	H	11	134														
1980 SEP 19	12:00E	7.0	14.8	H	128	120														
1980 OCT 24	12:00E	1.0	5.20	H	11	148														
1981 MAY 20	12:00E	18.0	4.81	H	6	175														
1981 JUL 16	12:00E	20.0	9.95	H	50	150														
1981 AUG 28	12:00E	23.0	0.581	H	3	301														
1982 MAY 19	12:00E	3.0	18.3	V	120 K	137 K														
1982 JUN 25	12:00E	15.0	1.75	H	3 K	215 K														
1982 AUG 03	12:00E		2.10	H	4 K	226 K														
1982 SEP 16	12:00E	8.0	3.82	H	5 K	200 K														
1983 JUN 22	12:00E	14.0	4.47	H	11	182														
1983 AUG 07	12:00E	17.0	2.31	H	3	210														
1983 SEP 17	12:00E	9.0	1.38	H	3	257														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE W - DAILY MEAN, ICE CONDITIONS

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

DISSOLVED SOLIDS SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

STIMSON CREEK NEAR PEKISKO - STATION NO. 05BL007

LOCATION: LAT 50 25 50 N LONG 114 09 55 W
DRAINAGE AREA: 263 km²
TYPE OF FLOW: REGULATED SINCE 1965
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)		INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 08	09:30					11	246														
1971 MAY 13	15:30					41	268														
1971 MAY 24	13:00					82	240														
1971 JUN 02	18:30					73	197														
1971 JUN 06	09:45					221	282														
1971 JUN 06	09:46					206	326														
1971 JUN 07	13:00					312	276	33	45	64	80	89	94	97	99	100			5	49	45
1971 JUN 07	13:01					308	272	38	54	73	86	94	98	99	100				2	44	54
1972 MAR 18	12:00E			4.56	W	380															
1972 MAR 19	12:00E			1.70	W	78															
1972 MAR 21	12:00E			1.16	W	58															
1972 APR 06	12:00E			3.65	W	251															
1972 APR 07	12:00E			8.87	W	787															
1972 APR 11	12:00E			1.23	W	28															
1972 APR 20	12:00E			0.702	W	19															
1972 MAY 03	12:00E			1.76	H	41															
1972 MAY 17	12:00E			2.57	H	41															
1972 MAY 18	12:00E			2.48	H	29															
1972 MAY 21	12:00E			3.06	H	23															
1972 MAY 22	12:00E			1.91	H	13															
1972 MAY 25	12:00E			8.33	H	387															
1972 MAY 29	12:00E			2.97	H	55															
1976 MAY 13	12:00E			0.739	H	25															
1977 MAY 17	12:00E	8.0		0.483	H	21															
1977 MAY 24	12:00E	16.0		0.486	H	15															

TIME SYMBOL E - ESTIMATED

DISCHARGE SYMBOL(S) H - DAILY MEAN W - DAILY MEAN, ICE CONDITIONS

STRAWBERRY CREEK NEAR THE MOUTH - STATION NO. 05DF004

LOCATION: LAT 53 18 41 N LONG 114 03 02 W
DRAINAGE AREA: 584 km²
TYPE OF FLOW NATURAL
TYPE OF GAUGE RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 JUN 18	09:45			108	259														
1971 JUN 18	09:46			122	288														
1971 JUN 26	15:15			5	240														
1971 JUN 26	15:18			7	237														
1971 JUN 27	14:45			5	253														
1971 JUL 11	13:45			1 570	182														
1971 JUL 11	13:45			1 570	182														

SWAN RIVER NEAR KINUSO - STATION NO. 07BJ001

LOCATION: LAT 55 19 00 N LONG 115 24 30 W
DRAINAGE AREA: 1 900 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1976 APR 08	12:00E	2.0	25.7	W	388															
1976 APR 14	12:00E	2.0	80.0	V	696															
1976 APR 28	12:00E	7.0	34.8	H	512															
1976 MAY 28	12:00E	12.0	13.2	H	81															
1976 JUN 22	12:00E	15.0	9.03	H	41															
1976 JUL 03	12:00E	12.0	151	H	1 240															
1976 SEP 15	12:00E	12.0	31.1	H	457															
1976 OCT 06	12:00E	8.0	8.04	H	32															
1977 APR 14	12:00E		52.4	H	514															
1977 APR 25	12:00E	9.0	32.8	H	801															
1977 MAY 24	12:00E		25.9	H	349															
1977 JUN 24	12:00E	15.0	12.1	H	58															
1977 JUL 20	12:00E	12.0	33.4	H	275															
1977 AUG 24	12:00E	14.0	2.97	H	28															
1977 SEP 21	12:00E	9.0	4.90	V	22															
1977 OCT 27	12:00E	3.0	6.43	V	9															
1978 APR 24	12:00E	1.0	28.3	H	447															
1978 APR 27	12:00E	6.0	55.6	H	1 310															
1978 JUN 01	12:00E	11.0	54.7	H	811															
1978 JUN 28	12:00E	18.0	13.3	H	78															
1978 JUL 12	12:00E	16.0	36.5	H	883															
1978 JUL 28	12:00E	19.0	11.6	H	102															
1978 SEP 06	12:00E	13.0	3.79	H	24															
1978 SEP 20	12:00E	8.0	98.8	H	1 030															
1978 OCT 03	12:00E	8.0	19.9	H	135															
1978 OCT 25	12:00E	4.0	5.36	H	18															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS

THREEHILLS CREEK NEAR CARBON - STATION NO. 05CE007

LOCATION: LAT 51 33 53 N LONG 113 04 18 W
DRAINAGE AREA: 1 070 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 10	17:15			81	575														

THREEPOINT CREEK NEAR MILLARVILLE - STATION NO. 05BL013

LOCATION: LAT 50 46 14 N LONG 114 16 39 W
DRAINAGE AREA: 507 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1969 JUL 04	13:00				501	204	28	33	46	58	70	84	98	99	100			16	51	33
1971 MAY 06	15:15				38	174														
1971 MAY 06	15:18				35	169														
1971 MAY 13	11:00				29	153														
1971 JUN 02	15:15				8	180														
1971 JUN 02	15:16				7	181														
1971 JUN 06	17:00				2 800	173														
1971 JUN 06	17:01				2 510	162														
1971 JUN 07	19:30				848	145														
1971 JUN 07	19:31				821	187														
1972 MAR 18	12:00E		10.8	W	278															
1972 MAR 19	12:00E		7.50	W	288															
1972 MAR 21	12:00E		4.53	W	261															
1972 MAR 27	12:00E		1.70	W	37															
1972 APR 06	12:00E		18.0	H	241															
1972 APR 07	12:00E		11.4	H	137															
1972 APR 11	12:00E		2.44	H	14															
1972 APR 20	12:00E		1.83	H	16															
1972 MAY 03	12:00E		5.69	H	34															
1972 MAY 17	12:00E		12.5	H	292															
1972 MAY 18	12:00E		10.8	H	127															
1972 MAY 20	12:00E		10.5	H	148															
1972 MAY 21	12:00E		11.4	H	223															
1972 MAY 22	12:00E		11.9	H	473															
1972 MAY 25	12:00E		10.4	H	159															
1972 MAY 28	12:00E		9.46	H	198															
1972 JUN 10	12:00E		4.78	H	33															
1976 MAY 13	12:00E		3.14	H	128															
1976 AUG 03	12:00E		0.396	H	8															
1976 AUG 05	12:00E		5.24	H	510															
1976 SEP 24	12:00E		0.578	H	41															
1977 MAY 17	12:00E	7.0	2.92	H	19															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS

TOUGH CREEK NEAR BEAZER - STATION NO. 05AE038

LOCATION: LAT 49 04 00 N LONG 113 32 00 W
DRAINAGE AREA: 38.6 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1980 MAY 05	12:00E		0.373	H	57	181														
1980 MAY 13	12:00E		0.234	H	70	171														
1980 MAY 27	12:00E		4.17	H	94	175														
1980 JUN 03	12:00E		1.47	H	22	211														
1980 JUN 05	12:00E		1.01	H	58	175														
1980 JUN 10	12:00E		0.730	H	18	177														
1980 JUN 16	12:00E		0.775	H	15	172														
1980 JUN 25	12:00E		0.350	H	38	215														
1980 JUL 11	12:00E		0.152	H	71	176														
1980 AUG 01	12:00E		0.052	H	80	198														
1981 JUN 11	12:00E		0.599	H	14	252														
1981 JUL 06	12:00E		0.267	H	50	189														
1981 JUL 20	12:00E		0.183	H	89	172														
1981 AUG 06	12:00E		0.106	H	81	199														
1981 SEP 02	12:00E		0.038	H	51	213														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

TROUT CREEK NEAR GRANUM - STATION NO. 05AB005

LOCATION: LAT 49 58 35 N LONG 113 41 07 W
DRAINAGE AREA: 440 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 05	10:21			481	116														
1971 MAY 05	10:22			560	116														

VERMILION RIVER NEAR HAZELDINE - STATION NO. 05EE004

LOCATION: LAT 53 37 37 N LONG 110 25 20 W
DRAINAGE AREA: 7 830 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 APR 05	12:00E	0.1	5.58	W	135															
1975 APR 06	12:00E	0.1	5.97	H	132															
1975 APR 13	12:00E	9.0	7.18	H	78															
1975 APR 27	12:00E	10.0	1.73	H	24															
1975 MAY 18	12:00E	12.0	1.07	H	10															
1975 JUN 15	12:00E	21.0	0.580	H	15															
1975 JUL 10	12:00E	20.0	1.13	H	9															
1975 AUG 10	12:00E	20.0	0.480	H	8															
1975 SEP 14	12:00E	16.0	0.125	H	52															
1977 JUL 20	12:00E	17.0	0.138	H	3															
1977 AUG 17	12:00E	18.0	0.119	H	5															
1977 SEP 13	12:00E	16.0	0.086	H	4															
1977 OCT 12	12:00E	7.0	0.187	H	2															
1978 APR 18	12:00E	3.0	0.915	H	18															
1978 MAY 08	12:00E	15.0	1.71	H	12															
1978 JUN 07	12:00E	18.0	1.42	H	8															
1978 JUL 28	12:00E	24.0	0.068	H	4															
1978 AUG 22	12:00E	18.0	0.244	H	3															
1978 SEP 20	12:00E	7.0	0.173	H	5															
1979 MAY 15	12:00E	14.0	23.8	H	173	328														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS

VERMILION RIVER NEAR MARWAYNE - STATION NO. 05EE007

LOCATION: LAT 53 28 28 N LONG 110 23 51 W
DRAINAGE AREA: 7 270 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1979 AUG 21	12:00E	21.0	0.890	H	0	883														
1980 APR 16	12:00E	7.0	15.6	H	233	378														
1980 APR 28	12:00E	16.0	8.93	H	54	531														
1980 MAY 21	12:00E	18.0	1.26	H	14	883														
1980 JUN 24	12:00E	20.0	0.224	H	11	737														
1980 JUL 16	12:00E	21.0	0.469	H	14	768														
1980 AUG 13	12:00E	20.0	0.085	H	27	721														
1982 JUL 07	12:00E	16.0	0.218	H	47	847														
1982 AUG 11	12:00E	14.0	7.18	H	33	584														
1982 SEP 29	12:00E	8.0	0.138	H	85	591														
1982 NOV 03	12:00E	2.0	0.147	V	77	627														
1983 MAY 11	12:00E	5.0	1.84	H	19	816														
1983 JUN 09	12:00E	15.0	0.122	H	14	810														
1983 JUN 28	12:00E	16.0	0.014	V	14	840														
1983 JUL 20	12:00E	22.0	19.6	H	108	415														
1983 AUG 10	12:00E	24.0	8.67	H	37	463														
1983 AUG 30	12:00E	20.0	0.440	H	28	573														
1983 SEP 28	12:00E	7.0	0.548	H	51	557														
1983 OCT 27	12:00E	3.0	0.332	V	51	624														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE

VERMILION RIVER NEAR VEGREVILLE - STATION NO. 05EE003

LOCATION: LAT 53 27 54 N LONG 112 03 52 W
DRAINAGE AREA: 1 590 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1974 OCT 08	12:00E	8.3	0.001	H	5															
1975 OCT 09	12:00E		0	H	5															
1976 APR 06	12:00E	1.0	1.67	W	36															
1976 APR 14	12:00E		1.45	H	30															
1976 APR 28	12:00E	10.0	0.018	H	15															
1978 APR 20	12:00E	8.0	0.142	H	44															
1978 MAY 10	12:00E	13.0	0.027	V	17															
1979 MAY 14	12:00E	13.0	1.36	H	23	259														
1980 APR 18	12:00E	1.0	4.57	H	52	207														
1980 APR 28	12:00E	16.0	1.76	H	39	281														
1982 JUL 07	12:00E		15.5	H	88	243														
1982 AUG 12	12:00E		0.037	H	22	382														
1982 SEP 30	12:00E		0.092	H	24	552														
1983 MAY 12	12:00E	4.0	0.002	H	47	385														
1983 JUL 05	12:00E	21.0	20.1	H	51	256														
1983 AUG 11	12:00E	20.0	0.373	H	28	383														
1983 AUG 31	12:00E	21.0	0.007	H	38	430														
1983 SEP 28	12:00E	6.0	0.005	H	20	475														
1983 OCT 27	12:00E	3.0	0.001	V	24	503														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS

WAIPAROUS CREEK NEAR THE MOUTH - STATION NO. 05BG005

LOCATION: LAT 51 19 58 N LONG 114 50 15 W
DRAINAGE AREA: 334 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 25	11:45			50	182														
1971 MAY 25	11:46			33	148														
1971 JUN 01	15:50			1	148														
1971 JUN 05	11:50			2 850	142														
1971 JUN 05	11:51			2 820	176														
1971 JUN 07	13:45			392	167														

WASKATENAU CREEK NEAR WASKATENAU - STATION NO. 05EC002

LOCATION: LAT 54 07 23 N LONG 112 46 58 W
DRAINAGE AREA: 312 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1974 AUG 14	12:00E	14.4	0.012 H	7															
1974 SEP 18	12:00E	9.4	0.006 H	5															
1975 JUL 14	12:00E	21.0	0.159 H	3															
1975 AUG 05	12:00E	17.0	0.153 H	3															
1975 SEP 10	12:00E	13.0	1.54 H	1															
1975 OCT 01	12:00E	11.0	0.184 H	2															
1976 APR 04	12:00E		0.776 W	153															
1976 APR 07	12:00E		1.81 H	82															
1976 APR 14	12:00E		2.86 H	11															
1976 APR 28	12:00E		0.406 H	6															
1976 MAY 20	12:00E		0.013 H	6															
1976 JUN 17	12:00E		0.005 H	9															
1976 JUL 07	12:00E		0.088 H	6															
1976 SEP 15	12:00E		0.003 H	6															
1977 APR 18	12:00E		2.25 H	8															
1977 MAY 09	12:00E	16.0	0.042 H	3															
1977 JUN 10	12:00E		0.555 H	6															
1977 JUL 04	12:00E	15.0	0.005 H	3															
1977 AUG 08	12:00E	16.0	0.229 H	1															
1977 SEP 06	12:00E	12.0	0.065 H	3															
1977 OCT 05	12:00E	4.0	0.498 H	3															
1978 APR 13	12:00E	1.0	7.22 H	24															
1978 APR 20	12:00E	4.0	3.57 H	9															
1978 APR 27	12:00E		1.29 H	5															
1978 MAY 26	12:00E		0.065 H	7															
1978 JUN 06	12:00E	18.0	3.51 H	10															
1978 JUN 24	12:00E	22.0	1.04 H	4															
1978 JUL 27	12:00E	19.0	0.108 H	2															
1978 AUG 30	12:00E	15.0	0.026 H	3															
1978 SEP 25	12:00E	10.0	2.81 H	8															
1978 OCT 19	12:00E	7.0	0.576 H	2															
1978 OCT 30	12:00E	1.0	0.385 V	3															
1979 APR 22	12:00E	2.0	5.47 W	79	196														
1979 APR 24	12:00E	2.0	20.2 H	88	173														
1979 APR 26	12:00E	2.0	24.2 H	98	186														
1979 APR 30	12:00E	3.0	13.7 V	19	211														
1979 MAY 28	12:00E	13.0	0.306 H	3	337														
1979 JUN 18	12:00E	13.0	0.868 H	10	336														
1979 JUL 23	12:00E	21.0	1.26 H	2	266														
1979 AUG 23	12:00E	20.0	0.257 H	0	294														
1979 SEP 24	12:00E	10.0	0.024 H	1	367														
1980 APR 23	12:00E	8.0	0.711 H	7	404														
1980 JUN 02	12:00E	16.0	0.124 H	8	458														
1980 JUL 14	12:00E	24.0	0.050 H	5	522														
1980 AUG 11	12:00E	15.0	0.160 H	5	431														
1980 SEP 23	12:00E	8.0	0.430 H	6	348														
1981 MAY 27	12:00E	10.0	0.011 H	12	392														
1982 APR 27	12:00E	10.0	1.90 H	9	403														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS

ALBERTA

WATERTON RIVER NEAR GLENWOOD - STATION NO. 05AD028

LOCATION: LAT 49 28 35 N LONG 113 28 10 W
DRAINAGE AREA: 1 830 km²
TYPE OF FLOW: REGULATED SINCE 1966
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1974 JUL 24	12:00E	15.0	47.3	H	6															
1974 SEP 04	12:00E	12.8	12.8	H	2															
1974 OCT 08	12:00E	12.2	4.76	H	1															
1975 MAY 13	12:00E	4.0	87.8	H	124															
1975 JUN 08	12:00E	7.0	146	H	74															
1975 JUL 04	12:00E	14.0	83.3	H	57															
1975 SEP 03	12:00E	12.0	1.32	H	0															
1975 OCT 02	12:00E	10.0	3.09	H	1															
1975 NOV 05	12:00E	7.0	7.58	H	1															
1976 APR 14	12:00E	5.0	20.9	H	43															
1976 APR 28	12:00E	1.0	25.1	H	8															
1976 MAY 31	12:00E	12.0	74.2	H	19															
1976 JUN 10	12:00E	12.0	20.8	H	15															
1976 JUN 22	12:00E	12.0	47.3	H	15															
1976 JUL 29	12:00E	14.0	27.7	H	4															
1976 AUG 31	12:00E	12.0	10.8	H	4															
1976 SEP 14	12:00E	8.0	16.8	H	5															
1976 OCT 14	12:00E	3.0	5.84	H	9															
1977 APR 14	12:00E	9.0	1.53	V	3															
1977 APR 21	12:00E	8.0	1.42	V	3															
1977 APR 26	12:00E	14.0	1.37	V	2															
1977 MAY 12	12:00E	16.0	2.57	H	10															
1977 JUN 02	12:00E	10.0	2.64	H	8															
1977 JUL 05	12:00E	15.0	2.10	H	11															
1977 JUL 26	12:00E	17.0	1.91	H	13															
1977 AUG 23	12:00E	12.0	1.98	H	18															
1977 SEP 29	12:00E	11.0	2.21	H	11															
1977 OCT 18	12:00E	9.0	1.78	V	29															
1978 APR 06	12:00E	4.0	1.96	H	7															
1978 APR 25	12:00E	11.0	2.56	H	5															
1978 MAY 17	12:00E	10.0	86.3	H	1 120															
1978 JUN 01	12:00E	12.0	59.2	H	35															
1978 JUN 15	12:00E	12.0	83.0	H	51															
1978 JUN 29	12:00E	18.0	62.0	H	13															
1978 JUL 27	12:00E	20.0	42.2	H	8															
1978 AUG 31	12:00E	18.0	24.4	H	22															
1978 SEP 26	12:00E	13.0	27.1	H	4															
1978 NOV 02	12:00E	9.0	7.08	H	2															
1979 APR 05	12:00E	0.1	6.70	H	7	188														
1979 MAY 01	12:00E	6.0	25.2	H	54	195														
1979 MAY 30	12:00E	11.0	118	H	113	143														
1979 JUN 28	12:00E	15.0	5.24	H	5	145														
1979 JUL 26	12:00E	17.0	1.95	H	0	172														
1979 AUG 23	12:00E	17.0	1.91	H	3	156														
1979 SEP 26	12:00E	15.0	1.97	H	8	171														
1979 OCT 31	12:00E	5.0	1.80	H	8	203														
1980 MAR 12	12:00E	0.1	2.88	W	18	207														
1980 APR 10	12:00E	2.0	1.58	H	24	254														
1980 MAY 05	12:00E	14.0	38.8	H	156	136														
1980 JUN 26	12:00E	13.0	36.3	H	6	107														
1980 JUL 31	12:00E	15.0	2.01	H	3	181														
1980 SEP 05	12:00E	12.0	1.79	H	3	167														
1980 OCT 02	12:00E	8.0	1.85	H	4	180														
1980 NOV 05	12:00E	9.0	30.4	H	12	141														
1981 MAR 25	12:00E	9.0	2.45	H	11	231														
1981 APR 23	12:00E	11.0	2.29	H	5	222														
1981 MAY 27	12:00E	16.0	153	H	233	134														
1981 JUN 25	12:00E	12.0	40.3	H	8	128														
1981 JUL 23	12:00E	16.0	2.53	H	11	200														
1981 AUG 24	12:00E	22.0	2.31	H	3	197														
1981 SEP 24	12:00E		2.03	H	5	188														
1981 NOV 04	12 00E		13.7	H	25	141														
1982 APR 20	12:00E	2.0	2.55	H	18	234														
1982 MAY 10	12:00E	7.0	2.53	H	3	209														
1982 JUN 02	12:00E	9.0	48.4	H	35	148														
1982 JUN 23	12:00E	12.0	85.8	H	42	114														
1982 JUL 21	12:00E	14.0	12.7	H	3	110														
1982 AUG 25	12:00E	15.0	1.98	H	1	178														
1982 SEP 29	12:00E	4.0	2.46	H	4	188														
1983 APR 27	12:00E	4.0	2.26	H	11	184														
1983 MAY 30	12:00E	10.0	84.9	H	151	131														
1983 JUN 09	12:00E	16.0	17.1	H	5	124														
1983 JUL 26	12:00E	14.0	2.77	H	4	148														
1983 AUG 23	12:00E	15.0	2.47	H	7	148														
1983 SEP 28	12:00E	10.0	2.09	V	4	150														
1983 NOV 01	12:00E	8.0	1.74	H	5	147														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS

WEST ARROWWOOD CREEK NEAR ARROWWOOD - STATION NO. 05BM014

LOCATION: LAT 50 45 50 N LONG 113 14 00 W
DRAINAGE AREA: 775 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP.	INSTANT. DISCHARGE	INSTANT. CONCENT.	DISSOLVED SOLIDS	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES										PERCENT		
						.002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	SAND	SILT	CLAY
		(°C)	(m³/s)	(mg/L)	(mg/L)														
1976 MAY 14	12:00E		0.037 H	18															
1977 MAY 17	12:00E	9.0	0.004 H	4															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

ALBERTA

WEST PRAIRIE RIVER NEAR HIGH PRAIRIE - STATION NO. 07BF002

LOCATION: LAT 55 28 50 N LONG 116 29 30 W
DRAINAGE AREA: 1 180 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1974 APR 19	12:00E		28.4	W	2 880																
1974 APR 21	12:00E		54.4	W	3 140																
1974 APR 22	12:00E		76.5	W	2 800																
1974 APR 23	12:00E		100	W	3 260																
1974 MAY 03	12:00E		50.4	H	2 560																
1974 MAY 06	12:00E		53.0	H	1 520																
1974 MAY 07	12:00E		53.5	H	1 680																
1974 MAY 08	12:00E		53.0	H	1 940																
1974 MAY 09	12:00E		49.3	H	1 350																
1974 MAY 10	12:00E		51.3	H	1 020																
1974 MAY 13	12:00E		44.7	H	851																
1974 MAY 14	12:00E		40.2	H	857																
1974 MAY 15	12:00E		34.5	H	675																
1974 MAY 16	12:00E		32.3	H	1 270																
1974 AUG 29	12:00E	14.4	0.634	H	13																
1974 OCT 28	12:00E	2.1	0.697	H	15																
1975 APR 21	12:00E	1.0	5.18	W	855																
1975 APR 24	12:00E	1.0	6.65	H	526																
1975 APR 28	12:00E	1.0	18.8	H	1 630																
1975 APR 29	12:00E	3.0	21.4	H	1 220																
1975 MAY 15	12:00E	10.0	5.27	H	102																
1975 JUN 04	12:00E	15.0	4.59	H	84																
1975 JUN 05	12:00E		7.82	H	139																
1975 JUN 26	12:00E	9.0	1.53	H	30																
1975 AUG 28	12:00E	18.0	1.23	H	33																
1975 SEP 26	12:00E	11.0	0.778	H	22																
1976 APR 01	12:00E	3.0	0.241	W	2 230																
1976 APR 20	12:00E	5.0	26.6	H	1 150																
1976 APR 29	12:00E	9.0	22.3	H	883																
1976 MAY 31	12:00E		9.03	H	167																
1976 JUN 27	17:20	11.0	125	H	6 930	K		11	15	24	38	51	68	82	91	97	100		32	52	16
1976 JUN 30	12:00E	15.0	55.8	H	3 440																
1976 JUL 02	12:00E	15.0	31.7	H	1 310																
1976 JUL 23	12:00E	19.0	9.54	H	304																
1976 AUG 27	12:00E	13.0	101	H	4 220																
1976 SEP 16	12:00E	12.0	10.8	H	276																
1976 OCT 07	12:00E	11.0	2.49	H	58																
1976 OCT 29	12:00E	1.0	1.83	H	47																
1977 APR 13	12:00E	3.0	59.7	H	2 430																
1977 APR 15	08:45	1.0	39.4	H	1 800	R		8	12	18	28	37	48	60	73	83	88		52	36	12
1977 APR 26	12:00E	8.0	15.7	H	522																
1977 MAY 26	12:00E		12.7	H	186																
1977 JUN 24	12:00E	19.0	7.38	H	247																
1977 JUL 20	12:00E	16.0	13.4	H	222																
1977 AUG 25	12:00E	11.0	0.776	H	18																
1977 SEP 21	12:00E	10.0	0.706	H	15																
1977 OCT 28	12:00E	3.0	1.36	H	53																
1978 JUL 26	12:00E	18.0	0.588	H	23																
1978 AUG 28	12:00E	18.0	0.878	H	13																
1978 SEP 27	12:00E	8.0	5.84	H	76																
1978 OCT 23	12:00E	4.0	1.38	H	18																
1979 APR 26	12:00E	2.0	13.8	W	1 030		105														
1979 MAY 19	12:00E	7.0	56.2	H	2 660		100														
1979 JUN 06	12:00E	14.0	10.8	H	173		130														
1979 JUN 18	12:00E	15.0	47.1	H	2 640		144														
1979 JUL 04	16:50		85.5		4 250	K	136	11	16	22	30	0	53	87	87	97	99		47	37	16
1979 JUL 05	12:00E		49.4	H	2 240		148														
1979 JUL 10	12:00E	19.0	15.8	H	385		131														
1979 AUG 15	12:00E	19.0	1.55	H	77		244														
1979 SEP 19	12:00E	13.0	0.411	H	28		313														
1980 MAY 09	12:00E	14.0	2.68	H	73		187														
1980 JUN 03	12:00E	14.0	12.2	H	341		139														
1980 JUN 26	12:00E	19.0	4.54	H	131		159														
1980 JUL 28	12:00E	17.0	1.51	H	71		217														
1980 AUG 29	12:00E	14.0	2.80	H	103		225														
1980 SEP 23	12:00E	8.0	8.00	H	128		178														
1980 OCT 27	12:00E	2.0	1.14	H	18		244														
1981 MAY 27	12:00E	15.0	8.21	H	253		148														
1981 JUL 07	12:00E	17.0	0.820	V	10		249														
1982 APR 26	12:00E	0.5	3.80	W	248		197														
1982 APR 28	12:00E	1.0	8.20	W	758		148														
1982 MAY 03	17:00	1.0	15.0		1 280	K	185	13	17	28	40	54	73	87	95	99	100		27	56	17
1982 MAY 31	12:00E	14.0	3.71	H	95		216														
1982 JUL 06	12:00E	18.0	0.181	V	578		255														
1982 JUL 28	12:00E	18.0	11.3	H	297		189														
1982 SEP 08	12:00E	13.5	2.08	V	98		230														
1982 OCT 04	12:00E	8.0	0.740	H	40		276														
1983 APR 28	12:00E	10.0	1.80	H	55		184														
1983 JUN 24	12:30	18.0	23.5		1 670	K	157	18	23	34	48	58	71	80	92	97	98		29	48	23
1983 JUN 26	13:35	11.0	153		8 230	K	202	17	22	32	40	54	72	88	93	97	98		28	50	22

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL R - SAMPLES COLLECTED IN SEVERAL VERTICALS

CONTINUED

WEST PRAIRIE RIVER NEAR HIGH PRAIRIE - STATION NO. 07BF002 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1983 JUN 27	12:00E	11.0	148	V	4 540	K 205														
1983 JUN 28	14:35	12.0	61.3		3 970	K 174	15	20	29	38	50	70	85	95	99	100		30	50	20
1983 JUL 18	12:25	13.0	53.6		2 450	K 161	12	16	23	31	41	56	75	89	95	97		44	40	16
1983 JUL 28	18:00	14.0	138		8 500	K 205	13	20	27	36	51	74	91	97	98	99		28	54	20
1983 AUG 22	12:00E	14.0	2.20	H	42	277														
1983 SEP 26	12:00E	9.0	1.52	H	43	248														
1983 OCT 24	12:00E	3.0	0.933	H	33	280														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

WHIRLPOOL RIVER NEAR THE MOUTH - STATION NO. 07AA009

LOCATION: LAT 52 43 29 N LONG 117 55 29 W
DRAINAGE AREA: 898 km^2
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 12	10:30				104	145														
1971 MAY 12	10:31				107	110														
1971 MAY 22	09:45				17	115														
1971 MAY 22	09:46				14	111														
1971 JUN 02	22:10				132	87														
1971 JUN 02	22:11				140	87														
1971 JUN 03	13:05				224	93														
1971 JUN 03	13:06				230	88														
1971 JUN 14	10:30				20	82														
1971 JUN 14	10:31				21	70														
1971 AUG 04	09:10				138	68														
1971 AUG 04	09:11				125	71														
1971 AUG 04	13:00				125	70														
1971 AUG 04	13:01				164	86														
1971 AUG 04	18:00				130	75														
1971 AUG 04	18:01				127	86														
1971 AUG 04	22:00				223	82														
1971 AUG 05	08:45				181	80														
1971 AUG 05	08:48				182	83														
1971 AUG 05	12:05				128	78														
1971 AUG 05	12:06				128	74														
1972 MAY 17	12:00E		18.7	H	23															
1972 MAY 18	12:00E		15.9	H	17															
1972 MAY 31	12:00E		79.9	V	524															
1972 JUN 01	12:00E		88.1	V	783															
1972 JUN 02	12:00E		84.3	H	172															
1972 JUN 03	12:00E		51.8	H	105															
1972 JUN 04	12:00E		52.1	H	82															
1972 JUN 12	12:00E		93.2	V	211															
1972 JUN 13	12:00E		85.1	H	143															
1972 JUN 14	12:00E		52.7	H	90															
1972 JUN 15	12:00E		52.1	H	80															
1972 JUN 18	12:00E		43.3	H	52															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, ESTIMATED

WHISKEYJACK CREEK NEAR HINTON - STATION NO. 07AD004

LOCATION: LAT 53 22 50 N LONG 117 32 15 W
DRAINAGE AREA: 3.13 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1980 AUG 06	12:00E	8.0	0.037 H	5	248														
1980 AUG 07	12:00E	7.0	0.046 H	5															
1980 AUG 08	12:00E	8.0	0.032 H	5	252														
1980 AUG 11	12:00E	7.0	0.027 H	5															
1980 AUG 12	12:00E	8.0	0.022 H	3	254														
1980 AUG 13	12:00E	8.0	0.018 H	3															
1980 AUG 14	12:00E	8.0	0.017 H	3															
1980 AUG 16	12:00E	8.0	0.017 H	3															
1980 AUG 17	12:00E	7.0	0.015 H	5	260														
1980 AUG 18	12:00E	7.0	0.016 H	3	252														
1980 AUG 19	12:00E	8.0	0.015 H	1															
1980 AUG 20	12:00E	7.0	0.013 H	2															
1980 AUG 21	12:00E	8.0	0.012 H	3	250														
1980 AUG 24	12:00E		0.017 H	2	255														
1980 AUG 25	12:00E	8.0	0.017 H	2	260														
1980 SEP 04	12:00E	8.0	0.014 H	3	249														
1980 SEP 05	12:00E	8.0	0.013 H	3															
1980 SEP 08	12:00E		0.014 H	5	250														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

WILDHAY RIVER NEAR HINTON - STATION NO. 07AC001

LOCATION: LAT 53 31 24 N LONG 117 58 49 W
DRAINAGE AREA: 958 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 MAY 17	12:00E		10.9 H	26															
1972 MAY 31	12:00E		31.7 H	307															
1972 JUN 01	12:00E		31.7 H	311															
1972 JUN 02	12:00E		25.5 H	148															
1972 JUN 03	12:00E		17.8 H	102															
1972 JUN 04	12:00E		15.1 H	78															
1972 JUN 12	12:00E		82.9 H	2 870															
1972 JUN 13	12:00E		112 H	2 300															
1972 JUN 14	12:00E		81.5 H	894															
1972 JUN 15	12:00E		73.3 H	617															
1972 JUN 18	12:00E		47.0 H	175															
1972 JUN 19	12:00E		38.8 H	137															
1972 JUN 20	12:00E		35.4 H	100															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

WILLOW CREEK ABOVE CHAIN LAKES - STATION NO. 05AB028

LOCATION: LAT 50 11 47 N LONG 114 12 46 W
DRAINAGE AREA: 182 km^2
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1978 JAN 03	12:00E	0.1	0.122 W	0															
1978 JAN 23	12:00E	0.1	0.088 W	2															
1978 FEB 13	12:00E	0.1	0.076 W	2															
1978 MAR 07	12:00E	0.1	0.089 W	1															
1978 MAR 17	12:00E	1.0	0.266 W	40															
1978 MAR 23	12:00E	2.0	0.221 W	3															
1978 MAR 29	12:00E	3.0	1.18 H	21															
1978 APR 06	12:00E	5.0	0.541 H	7															
1978 MAY 01	12:00E	8.0	4.02 H	32															
1978 JUN 01	12:00E	7.0	7.45 H	39															
1978 JUN 26	12:00E	12.0	1.80 H	10															
1978 JUL 24	12:00E	13.0	1.70 H	8															
1978 AUG 28	12:00E	12.0	0.428 H	8															
1978 SEP 25	12:00E	10.0	0.422 H	20															
1978 OCT 30	12:00E	4.0	0.311 W	3															
1980 APR 28	12:00E	8.0	1.82 H	23	161														
1980 MAY 29	12:00E		5.06 H	29	145														
1980 JUN 23	12:00E		0.959 H	6	175														
1980 JUL 28	12:00E	23.0	0.149 H	8	197														
1980 AUG 26	12:00E	17.0	0.288 H	4	199														
1980 SEP 30	12:00E	14.0	0.548 H	7	191														
1980 NOV 03	12:00E	3.5	0.482 H	5	213														
1981 MAR 31	12:00E	4.0	0.812 W	13	189														
1981 MAY 01	12:00E	14.0	0.459 H	11	203														
1981 MAY 22	12:00E	10.0	27.5 H	413	119														
1981 MAY 23	12:00E	7.0	23.8 H	258	131														
1981 MAY 26	12:00E	8.0	16.2 H	270	123														
1981 JUN 01	12:00E	10.0	7.75 H	142	148														
1981 JUN 14	12:00E	7.0	14.1 H	142	147														
1981 AUG 13	12:00E	19.0	0.852 V	7	185														
1981 SEP 02	12:00E	11.0	0.254 H	4	204														
1981 OCT 01	12:00E	6.0	0.153 H	22	184														
1981 OCT 28	12:00E	8.0	0.196 H	7	209														
1982 APR 27	12:00E	8.0	0.882 H	18 K	184 K														
1982 MAY 03	12:00E	7.0	0.879 H	18 K	180 K														
1982 JUN 07	12:00E	3.5	4.87 H	44 K	183 K														
1982 JUL 09	12:00E	12.5	0.788 H	8 K	183 K														
1982 SEP 14	12:00E	9.0	0.123 H	1 K	214 K														
1983 APR 27	12:00E	3.0	1.84 H	15	189														
1983 MAY 26	12:00E	13.0	1.80 H	40	181														
1983 JUN 13	12:00E	13.0	1.26 V	12	170														
1983 JUL 19	12:00E	15.0	0.378 H	2	198														
1983 AUG 22	12:00E	18.0	0.081 V	3	225														
1983 OCT 28	12:00E	4.0	0.082 V	3	226														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE W - DAILY MEAN, ICE CONDITIONS

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

DISSOLVED SOLIDS SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

WILLOW CREEK NEAR CLARESHOLM - STATION NO. 05AB021

LOCATION: LAT 50 01 05 N LONG 113 42 50 W
DRAINAGE AREA: 1 180 km²
TYPE OF FLOW: REGULATED SINCE 1966
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JAN 06	12:00E	1.0	0.496	W	6															
1975 FEB 04	12:00E	1.0	0.384	W	19															
1975 MAR 05	12:00E	1.0	0.821	W	29															
1975 MAR 25	12:00E	1.0	0.782	W	17															
1975 APR 15	12:00E	1.0	5.10	W	118															
1975 APR 18	12:00E	1.0	8.75	W	196															
1975 APR 21	12:00E	2.0	7.70	H	98															
1975 APR 24	12:00E	3.0	15.7	H	377															
1975 APR 25	12:00E	2.0	14.4	H	510															
1975 MAY 27	12:00E	11.0	14.0	H	98															
1975 JUN 20	12:00E	11.0	52.9	H	5 210															
1975 JUN 21	12:00E	12.0	84.0	H	2 450															
1975 JUN 23	12:00E	13.0	36.5	H	850															
1975 JUL 08	12:00E	16.0	17.2	H	893															
1975 JUL 23	12:00E	18.0	4.87	H	40															
1975 AUG 27	12:00E	17.0	2.07	H	21															
1975 SEP 30	12:00E	9.0	0.845	H	10															
1975 OCT 29	12:00E	3.0	0.549	H	9															
1975 NOV 26	12:00E	1.0	0.382	W	6															
1975 DEC 17	12:00E	1.0	0.782	W	8															
1976 MAR 29	12:00E	0.1	2.92	W	39															
1976 APR 30	12:00E	2.0	1.86	H	51															
1976 MAY 27	12:00E	8.0	3.77	H	31															
1976 JUN 21	12:00E	15.0	2.14	H	25															
1976 JUL 26	12:00E	18.0	0.261	H	11															
1976 AUG 12	12:00E	14.0	15.4	H	268															
1976 SEP 28	12:00E	11.0	1.11	H	5															
1976 NOV 03	12:00E	3.0	0.880	H	4															
1977 APR 13	12:00E	7.0	1.42	H	19															
1977 APR 25	12:00E	12.0	0.920	H	7															
1977 MAY 24	12:00E	13.0	0.872	H	5															
1977 JUN 23	12:00E	19.0	0.314	H	4															
1977 JUL 21	12:00E	17.0	0.105	H	5															
1977 AUG 22	12:00E	14.0	0.436	H	11															
1977 SEP 22	12:00E	13.0	0.413	H	4															
1977 OCT 31	12:00E	4.0	0.282	H	1															
1978 MAR 26	12:00E	0.1	12.5	W	784															
1978 MAR 28	12:00E	6.0	5.15	H	128															
1978 APR 07	12:00E	7.0	1.17	H	9															
1978 APR 24	12:00E	8.0	3.08	H	21															
1978 MAY 29	12:00E	11.0	13.3	H	112															
1978 JUN 26	12:00E	15.0	5.47	H	16															
1978 JUL 24	12:00E	20.0	5.24	H	19															
1978 AUG 28	12:00E	16.0	1.43	H	5															
1978 SEP 25	12:00E	12.0	1.28	H	3															
1978 OCT 30	12:00E	2.0	0.801	H	2															
1979 APR 02	12:00E	0.1	1.08	W	17	200														
1979 APR 23	12:00E	5.0	5.34	H	48	316														
1979 MAY 03	12:00E	5.0	12.9	H	119	280														
1979 MAY 28	12:00E	15.0	14.6	H	121	217														
1979 JUN 25	12:00E	6.0	2.83	H	8	252														
1979 JUL 23	12:00E	20.0	0.892	H	2	230														
1979 AUG 20	12:00E	20.0	0.588	H	0	228														
1979 SEP 24	12:00E	12.0	0.385	H	11	282														
1979 OCT 29	12:00E	4.0	0.882	H	2	314														
1980 MAR 10	12:00E	0.1	0.882	W	8	288														
1980 MAR 17	12:00E	0.1	0.847	W	27	249														
1980 MAR 31	12:00E	1.0	1.40	W	12	232														
1980 APR 14	12:00E	4.0	5.34	H	187	175														
1980 APR 17	12:00E	5.0	8.82	H	179	181														
1980 APR 28	12:00E	14.0	2.10	H	21	237														
1980 MAY 20	12:00E	13.0	0.861	H	31	247														
1980 JUN 23	12:00E	18.0	2.07	H	8	218														
1980 JUL 28	12:00E	20.0	0.252	H	5	208														
1980 SEP 02	12:00E	12.0	0.385	H	7	238														
1980 SEP 29	12:00E	11.0	0.794	H	8	254														
1980 NOV 03	12:00E	3.0	0.671	H	6	286														
1981 MAR 23	12:00E	1.0	1.22	H	9	282														
1981 APR 21	12:00E	10.0	1.04	H	11	283														
1981 MAY 19	12:00E	12.0	35.5	H	1 840	208														
1981 MAY 23	12:00E	9.0	86.5	H	1 870	185														
1981 JUN 10	12:00E	13.0	8.45	H	54	238														
1981 JUL 20	12:00E		3.77	H	48	214														
1981 AUG 19	12:00E		2.18	H	20	223														
1981 SEP 21	12:00E		0.484	H	7	253														
1981 OCT 26	12:00E		0.732	H	8	289														
1982 APR 23	12:00E	2.0	5.13	W	130	185														
1982 MAY 06	12:00E	7.0	1.38	H	17	268														
1982 MAY 31	12:00E	12.0	3.86	H	15	318														
1982 JUN 21	12:00E	16.0	3.53	H	26	242														
1982 JUL 18	12:00E	17.0	1.38	H	7	258														
1982 AUG 23	12:00E	18.0	0.230	H	8	247														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS

CONTINUED

WILLOW CREEK NEAR CLARESHOLM - STATION NO. 05AB021 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1982 SEP 27	12:00E	8.0	0.537 H	8	125														
1983 MAY 15	12:00E	9.0	1.57 H	12	281														
1983 JUN 24	12:00E	18.0	0.985 H	28	222														
1983 AUG 19	12:00E	15.0	0.389 H	10	208														
1983 SEP 26	12:00E	11.0	0.128 H	8	239														
1983 OCT 31	12:00E	7.0	0.170 H	4	261														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

WOLVERINE CREEK NEAR VALLEYVIEW - STATION NO. 07GF003

LOCATION: LAT 54 55 17 N LONG 117 48 32 W
DRAINAGE AREA: 11.1 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 MAY 29	12:00E	14.0	0.018 H	4															
1975 JUN 18	12:00E	15.0	0.013 H	11															
1978 AUG 18	12:00E		0.002 Y	5															
1978 AUG 30	12:00E		0.003 H	8															
1978 SEP 13	12:00E	2.0	0.007 H	36															
1978 SEP 18	12:00E	2.0	0.051 H	80															
1978 OCT 17	12:00E	4.0	0.007 H	4															
1978 MAY 01	12:00E	2.0	0.344 H	126	149														
1978 MAY 02	12:00E	2.0	0.255 H	90															
1978 MAY 07	12:00E		0.183 H	41	173														
1978 MAY 17	12:00E	7.0	0.720 H	365	176														
1978 JUN 06	12:00E	6.0	0.088 H	81	237														
1978 JUL 05	12:00E		0.039 H	26	204														
1978 JUL 20	12:00E		0.012 H	22	215														
1980 JUN 10	12:00E	16.0	0.032 H	8	238														
1980 OCT 08	12:00E		0.004 H	13	262														
1980 NOV 05	12:00E	1.0	0.002 W	8	271														
1981 MAR 30	12:00E	0.1	0.033 W	89	122														
1981 APR 01	12:00E	0.1	0.032 W	53															
1981 APR 03	12:00E		0.084 W	24	253														
1981 APR 06	12:00E		0.118 W	21															
1981 APR 10	12:00E		0.139 W	15	223														
1981 APR 30	12:00E	9.0	0.077 W	28	218														
1981 MAY 11	12:00E	12.5	0.038 H	25	236														
1981 MAY 27	12:00E	15.5	0.021 H	20	277														
1981 JUN 08	12:00E	13.0	0.001 H	18															
1981 JUN 10	12:00E	12.0	0 H	8	334														
1981 JUL 27	12:00E	14.0	0.001 H	184 K	356 K														
1981 OCT 13	12:00E	4.0	0 H	83 K	394 K														
1981 NOV 09	12:00E	1.0	0.001 W	17 K	243 K														
1981 NOV 18	12:00E	0.1	0 W	43	253														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN, ICE CONDITIONS Y - DAILY MEAN, ESTIMATED

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

DISSOLVED SOLIDS SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

BOWSER RIVER AT BERENDON GLACIER - STATION NO. 08DA005

LOCATION: LAT 56 15 20 N LONG 130 03 55 W
DRAINAGE AREA: km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1987 AUG 22	12:00E	1.1			173		54															
1987 AUG 24	12:00E	1.1			115		65															
1987 AUG 26	12:00E	1.1			1 780		82															
1987 AUG 27	12:00E	1.1			848		85															
1987 AUG 28	12:00E	1.1			283		65															
1987 AUG 31	12:00E	1.1			256	K	50	K														
1987 SEP 01	12 00E	1.1			375		61															
1987 SEP 02	12:00E	1.1			217		49															

TIME SYMBOL: E - ESTIMATED
CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL
DISSOLVED SOLIDS SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

CHILKO RIVER AT OUTLET OF CHILKO LAKE - STATION NO. 08MA002

LOCATION: LAT 51 37 31 N LONG 124 08 31 W
DRAINAGE AREA: 2 110 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1982 JUL 08	12:00E	11.0	133	H	3	R	38	R														
1982 SEP 13	12:00E	11.5	74.8	H	4	R	37	R														
1983 APR 14	12 00E	5.5	8.39	H	3	R	30	R														
1983 JUN 06	12:00E	10.0	86.4	H	3		48															
1983 JUN 16	12:00E	9.5	92.6	H	1																	
1983 JUL 14	12:00E	9.5	88.7	H	14	R	58	R														
1983 AUG 24	12:00E	14.5	80.8	H	3	R	27	R														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN
CONCENTRATION SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS
DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

CHILKO RIVER NEAR REDSTONE - STATION NO. 08MA001

LOCATION: LAT 52 04 12 N LONG 123 32 12 W
DRAINAGE AREA: 6 940 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1983 APR 19	12:00E	6.0	16.2	V	7	R	41	R														
1983 MAY 03	12:00E	8.5	38.1	V	10	R	61	R														
1983 MAY 30	12:00E	11.5	171	H	45	R	41	R														
1983 JUN 15	12:00E	10.5	184	H	17	R	48	R														
1983 JUL 11	12:00E	11.5	153	H	10	R	38	R														
1983 SEP 12	12:00E	11.5	99.1	H	11		32															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE
CONCENTRATION SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS
DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

CHILLIWACK RIVER AT VEDDER CROSSING - STATION NO. 08MH001

LOCATION: LAT 49 05 50 N LONG 121 57 45 W
DRAINAGE AREA: 1 230 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JAN 28	12:00E		108	H	10															
1975 FEB 11	12:00E		53.0	H	7															
1975 MAR 02	12:00E		32.8	W	8															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS

COLUMBIA RIVER AT BIRCHBANK - STATION NO. 08NE049

LOCATION: LAT 49 10 40 N LONG 117 42 59 W
DRAINAGE AREA: 88 100 km²
TYPE OF FLOW: REGULATED SINCE 1931
TYPE OF GAUGE: RECORDING

INTERNATIONAL GAUGING STATION

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1982 JAN 03	12:00E		2 370	H	3															
1982 JAN 10	12:00E		2 810	H	4															
1982 JAN 17	12:00E		2 810	H	4	132														
1982 JAN 24	12:00E		2 770	H	3															
1982 JAN 31	12:00E		1 700	H	3	122														
1982 FEB 07	12:00E		2 230	H	7															
1982 FEB 14	12:00E		2 420	H	4	130														
1982 FEB 20	12:00E	3.5	1 190	H	4															
1982 FEB 27	12:00E	3.0	1 320	H	4	104														
1982 MAR 06	12:00E	3.0	1 650	H	7															
1982 MAR 13	12:00E		2 340	H	8	107														
1982 MAR 20	12:00E		2 290	H	4															
1982 MAR 28	12:00E		2 330	H	3	93														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN

COLUMBIA RIVER AT DONALD - STATION NO. 08NB005

LOCATION: LAT 51 29 00 N LONG 117 10 45 W
DRAINAGE AREA: 9 710 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1982 AUG 11	12:00E	14.5	358	H	58 R	93 R														
1982 SEP 23	12:00E	10.5	159	H	36 R	106 R														
1983 MAY 27	14:10	10.0	332		238 R	122 R	15	19	32	49	63	84	84	89	95	99	100	18	85	19
1983 JUN 22	12:00E	12.0	408	H	40 R	120 R														
1983 OCT 08	12:00E	8.5	74.7	V	8 R	150 R														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE
CONCENTRATION SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS
DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

COLUMBIA RIVER AT NICHOLSON - STATION NO. 08NA002

LOCATION: LAT 51 14 38 N LONG 116 54 42 W
DRAINAGE AREA: 6 660 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1982 JUN 03	12:00E	11.0	173	H	38	R	112	R												
1982 SEP 08	12:00E	12.5	156	H	56	R	61	R												
1983 MAY 25	12:00E	11.0	126	H	88	R	116	R												
1983 JUN 17	12:00E	12.5	309	H	34	R	103	R												
1983 OCT 07	12:00E	6.5	44.4	H	6	R	148	R												

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN
CONCENTRATION SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS
DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

DICKEBUSCH CREEK NEAR THE MOUTH - STATION NO. 07FB004

LOCATION: LAT 55 32 07 N LONG 121 35 40 W
DRAINAGE AREA: 85.5 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1979 JUL 11	12:00E		0.891	H	15		161													
1979 JUL 23	12:00E	12.0	1.09	H	21		174													
1979 JUL 25	12:00E		0.838	H	20		158													
1979 AUG 15	12:00E	15.0	0.154	H	7		237													
1979 SEP 26	12:00E	7.0	0.091	H	2		253													
1980 MAY 13	12:00E		0.244	V	42															
1980 AUG 28	12:00E		2.26	H	43															
1980 SEP 25	12:00E		1.38	H	11															
1980 OCT 07	12:00E	8.0	0.581	H	8															
1980 OCT 28	12:00E	3.0	0.238	H	3															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE

FELL CREEK NEAR NELSON - STATION NO. 08NJ129

LOCATION: LAT 49 30 12 N LONG 117 15 37 W
DRAINAGE AREA: 4.40 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1983 JAN 02	12:00E	0.5	0.019 H	2															
1983 JAN 09	12:00E	1.0	0.021 H	2	38														
1983 JAN 16	12:00E	1.0	0.021 H	7															
1983 JAN 23	12:00E	2.0	0.019 H	3	82														
1983 JAN 30	12:00E	2.0	0.023 H	0															
1983 FEB 06	12:00E	0.1	0.021 H	3	54														
1983 FEB 13	12:00E	1.0	0.027 H	0															
1983 FEB 21	12:00E	1.5	0.030 H	1	59														
1983 FEB 27	12:00E	2.0	0.037 H	0															
1983 MAR 06	12:00E	2.5	0.049 H	3															
1983 MAR 13	12:00E	3.0	0.066 H	3	47														
1983 MAR 16	12:00E	3.0	0.076 H	1															
1983 MAR 20	12:00E	2.5	0.081 H	1	45														
1983 MAR 23	12:00E	3.0	0.066 H	1															
1983 MAR 27	12:00E	2.5	0.051 H	5															
1983 MAR 30	12:00E	2.5	0.061 H	2															
1983 APR 03	12:00E	3.0	0.057 H	4															
1983 APR 06	12:00E	5.0	0.058 H	4															
1983 APR 10	12:00E	2.0	0.087 H	11															
1983 APR 13	12:00E	3.0	0.056 H	4	47														
1983 APR 17	12:00E	4.5	0.070 H	3															
1983 APR 20	12:00E	4.0	0.122 H	9															
1983 APR 23	12:00E	4.0	0.232 H	28															
1983 APR 24	12:00E	3.0	0.335 H	40															
1983 APR 25	12:00E	3.5	0.288 H	16															
1983 APR 26	12:00E	4.0	0.252 H	8	26														
1983 APR 27	12:00E	3.5	0.229 H	14															
1983 APR 28	12:00E	3.0	0.208 H	7															
1983 APR 29	12:00E	4.5	0.182 H	7															
1983 APR 30	12:00E	5.0	0.187 H	3															
1983 MAY 01	12:00E	5.0	0.194 H	4															
1983 MAY 02	12:00E	5.0	0.204 H	7															
1983 MAY 03	12:00E	4.0	0.199 H	6	46														
1983 MAY 04	12:00E	4.0	0.208 H	5															
1983 MAY 05	12:00E	4.0	0.214 H	8															
1983 MAY 06	12:00E	4.0	0.202 H	5															
1983 MAY 07	12:00E	5.0	0.223 H	8															
1983 MAY 08	12:00E	4.0	0.211 H	4															
1983 MAY 09	12:00E	4.0	0.191 H	6															
1983 MAY 10	12:00E	5.0	0.174 H	5															
1983 MAY 11	12:00E	4.0	0.169 H	9															
1983 MAY 12	12:00E	3.5	0.159 H	8															
1983 MAY 13	12:00E	5.0	0.157 H	6															
1983 MAY 14	12:00E		0.170 H	10															
1983 MAY 15	12:00E	5.5	0.172 H	8	38														
1983 MAY 16	12:00E	4.5	0.204 H	10															
1983 MAY 17	12:00E	4.5	0.201 H	7															
1983 MAY 18	12:00E	5.0	0.204 H	29															
1983 MAY 19	12:00E	5.0	0.199 H	8															
1983 MAY 20	12:00E	5.0	0.188 H	8															
1983 MAY 21	12:00E	4.5	0.228 H	5															
1983 MAY 23	12:00E	7.0	0.308 H	19															
1983 MAY 24	12:00E	4.5	0.322 H	18															
1983 MAY 25	12:00E	5.0	0.472 H	80	28														
1983 MAY 26	12:00E	5.5	0.418 H	38															
1983 MAY 27	12:00E	4.5	0.438 H	23															
1983 MAY 28	12:00E	5.5	0.533 H	180															
1983 MAY 29	12:00E	5.5	0.543 H	180															
1983 MAY 30	12:00E	5.5	0.537 H	81															
1983 MAY 31	12:00E	5.5	0.483 H	64															
1983 JUN 01	12:00E	6.0	0.502 H	37															
1983 JUN 02	12:00E	6.0	0.506 H	78															
1983 JUN 03	12:00E	5.0	0.436 H	39															
1983 JUN 04	12:00E		0.423 H	12															
1983 JUN 05	12:00E	7.0	0.366 H	8															
1983 JUN 06	12:00E	7.5	0.344 H	15	17														
1983 JUN 07	12:00E	8.0	0.316 H	18															
1983 JUN 08	12:00E	8.0	0.310 H	5															
1983 JUN 09	12:00E	8.0	0.276 H	18															
1983 JUN 10	12:00E	6.0	0.301 H	11															
1983 JUN 11	12:00E	7.0	0.250 H	10															
1983 JUN 12	12:00E	8.0	0.226 H	8															
1983 JUN 13	12:00E	9.0	0.204 H	8															
1983 JUN 14	12:00E	9.0	0.194 H	10	31														
1983 JUN 15	12:00E	7.5	0.220 H	10	71														
1983 JUN 16	12:00E	8.0	0.180 H	8															
1983 JUN 17	12:00E		0.205 H	8															
1983 JUN 18	12:00E	8.0	0.177 H	8															
1983 JUN 19	12:00E	7.0	0.168 H	9															
1983 JUN 20	12:00E	7.5	0.189 H	10															
1983 JUN 21	12:00E	7.5	0.147 H	4															
1983 JUN 22	12:00E	8.5	0.135 H	0															
1983 JUN 23	12:00E		0.158 H	7	45														
1983 JUN 24	12:00E		0.139 H	1															
1983 JUN 25	12:00E		0.130 H	1															
1983 JUN 26	12:00E		0.126 H	1															
1983 JUN 27	12:00E		0.111 H	0															
1983 JUN 28	12:00E		0.104 H	1															
1983 JUN 29	12:00E		0.108 H	1															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

CONTINUED

FELL CREEK NEAR NELSON - STATION NO. 08NJ129 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1983 JUN 30	12:00E		0.110	H	0															
1983 JUL 03	12:00E		0.097	H	2	49														
1983 JUL 10	12:00E		0.084	H	0															
1983 JUL 13	12:00E		0.126	H	2															
1983 JUL 17	12:00E		0.089	H	0															
1983 JUL 20	12:00E		0.088	H	6															
1983 JUL 24	12:00E		0.088	H	1	49														
1983 JUL 27	12:00E		0.078	H	1															
1983 JUL 31	12:00E		0.059	H	3															
1983 AUG 03	12:00E		0.048	H	7															
1983 AUG 07	12:00E		0.041	H	4	71														
1983 AUG 10	12:00E		0.049	H	3															
1983 AUG 14	12:00E		0.036	H	5															
1983 AUG 17	12:00E		0.029	H	3															
1983 AUG 21	12:00E		0.025	H	1	63														
1983 AUG 24	12:00E		0.048	H	0															
1983 AUG 25	12:00E		0.056	H	1															
1983 AUG 28	12:00E		0.036	H	0															
1983 SEP 04	12:00E		0.032	H	1	48														
1983 SEP 11	12:00E		0.037	H	1															
1983 SEP 18	12:00E		0.027	H	2	48														
1983 SEP 25	12:00E		0.023	H	7															
1983 OCT 02	12:00E	5.0	0.023	H	1	47														
1983 OCT 09	12:00E	5.0	0.020	H	0															
1983 OCT 16	12:00E	5.0	0.017	H	2	50														
1983 OCT 23	12:00E	4.9	0.031	H	2	80														
1983 OCT 30	12:00E	5.0	0.025	H	4															
1983 NOV 06	12:00E	4.0	0.052	H	2	66														
1983 NOV 13	12:00E	4.0	0.047	H	2															
1983 NOV 20	12:00E	3.0	0.047	H	1	57														
1983 NOV 27	12:00E	2.5	0.041	H	1															
1983 DEC 04	12:00E	0.5	0.031	H	1	63														
1983 DEC 12	12:00E	1.5	0.030	H	2															
1983 DEC 18	12:00E	1.0	0.026	H	1	65														
1983 DEC 25	12:00E	2.0	0.021	H	1															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

FORDING RIVER BELOW CLODE CREEK - STATION NO. 08NK021

LOCATION: LAT 50 12 05 N LONG 114 52 57 W
DRAINAGE AREA: 104 km^2
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 12	12:00E		15.5	H	330	126														
1971 MAY 26	12:00E		18.5	V	231	183														
1971 JUL 21	12:00E		4.62	H	6	114														
1971 SEP 10	12:00E		0.864	H	1	171														
1971 OCT 22	12:00E		0.714	H	0	174														
1971 NOV 25	12:00E		0.459	H	9	189														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, ESTIMATED

FORREST KERR CREEK ABOVE 460 M CONTOUR - STATION NO. 08CG005

LOCATION: LAT 56 54 56 N LONG 130 43 15 W
DRAINAGE AREA: 311 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1983 MAR 23	12:00E	0.1	1.03	W	1	148														
1983 APR 26	12:00E	1.0	8.06	W	13 R	120 R														
1983 JUN 01	19:26	2.0	88.2		554 R	89 R	32	41	53	62	70	78	88	94	98	98	100	22	37	41
1983 JUL 22	07:23	1.5	91.3		386 R	56 R	36	47	60	75	83	88	93	96	98	100		12	41	47
1983 AUG 25	07:48	2.0	94.3		346 R	63 R	37	48	61	73	82	90	96	98	100			10	44	46
1983 OCT 07	12:00E	3.0	15.0	H	82															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN, ICE CONDITIONS
CONCENTRATION SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS
DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

HALFWAY RIVER NEAR FARRELL CREEK (LOWER STATION) - STATION NO. 07FA001

LOCATION: LAT 56 13 40 N LONG 121 38 50 W
DRAINAGE AREA: 9 400 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1982 MAY 03	12:00E		128	H	1 280															
1982 MAY 31	15:42	8.0	172		343 R	133 R	27	35	48	61	74	87	98	99	100			13	52	35
1982 JUN 14	15:16	7.0	287		448 R	144 R	17	27	40	54	69	82	94	99	100			18	55	27
1982 AUG 30	12:00E	7.0	86.2	H	72 R	156 R														
1982 OCT 31	12:00E	0.5	37.6	V	30	204														
1983 JUN 03	12:55	11.0	172		308 R	183 R	21	30	41	55	68	79	88	94	98	100		21	49	30
1983 JUL 20	12:00E	13.0	137	H	102 R	220 R														
1983 OCT 08	12:00E	4.0	34.0	V	38 R	251 R														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE
CONCENTRATION SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS
DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

HARRISON RIVER NEAR HARRISON HOT SPRINGS - STATION NO. 08MG013

LOCATION: LAT 49 18 40 N LONG 121 48 08 W
DRAINAGE AREA: 7 870 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 JAN 04	12:00E	4.0	191	H	9	33														
1971 FEB 01	12:00E	5.4	270	H	4	28														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN

HOMATHKO RIVER AT THE MOUTH - STATION NO. 08GD004

LOCATION: LAT 50 59 05 N LONG 124 55 01 W
DRAINAGE AREA: 5 720 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1982 JUN 15	12:45	8.0	643		550 R	30 R	10	14	19	27	35	48	84	85	97	100		54	32	14
1982 AUG 31	12:00E	5.5	415	V	255 R	26 R														
1982 OCT 04	12:00E	5.5	140	V	226 R	29 R														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): V - DAILY MEAN, MANUAL GAUGE
CONCENTRATION SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS
DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

HOMATHKO RIVER AT TRAGEDY CANYON - STATION NO. 08GD006

LOCATION: LAT 51 15 58 N LONG 124 53 13 W
DRAINAGE AREA: 4 070 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1982 JUN 15	12:00E		364	H	320															
1982 AUG 31	12:00E	7.5	190	V	150 R	25 R														
1982 OCT 05	12:00E	6.0	70.7	V	28 R	40 R														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE
CONCENTRATION SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS
DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

HOMATHKO RIVER BELOW NOSTETUKO RIVER - STATION NO. 08GD009

LOCATION: LAT 51 25 16 N LONG 124 30 28 W
DRAINAGE AREA: 1 550 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1983 JUL 28	15:07	10.1	44.3	747 R	58 R	3	5	8	14	23	37	58	78	90	99	100	53	32	5
1983 AUG 11	17:19	12.0	81.4	1 370 K	34	4	6	13	21	32	51	78	93	98	100		49	45	6
1983 AUG 21	12:00E	8.0		489 R	57 R														
1983 SEP 16	12:00E	9.0		32	56														
1983 OCT 20	12:00E	6.0		4	75														

TIME SYMBOL: E - ESTIMATED
CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL R - SAMPLES COLLECTED IN SEVERAL VERTICALS
DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

HOMATHKO RIVER BELOW NUDE CREEK - STATION NO. 08GD005

LOCATION: LAT 51 22 28 N LONG 124 46 43 W
DRAINAGE AREA: 1 980 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1982 JUN 13	12:00E		111	H	270															
1982 SEP 01	12:00E	9.0	98.7	V	702 R	22 R														
1982 OCT 05	12:00E	7.0	23.3	V	19 R	69 R														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE
CONCENTRATION SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS
DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

HYLAND RIVER NEAR LOWER POST - STATION NO. 10AD001

LOCATION: LAT 59 57 03 N LONG 126 09 03 W
DRAINAGE AREA: 9 450 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 JUN 01	11 30	4.4	1 180	H	572	62	04	12	25	44	63	80	92	98	100			20	68	12

DISCHARGE SYMBOL(S): H - DAILY MEAN

ISKUT RIVER ABOVE SNIPPAKER CREEK - STATION NO. 08CC004

LOCATION: LAT 56 41 55 N LONG 130 52 23 W
DRAINAGE AREA: 7 230 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1983 MAR 24	12:00E	0.5	28.4	H	5	188														
1983 APR 28	13:28	3.0	213		259 K	124 R	10	15	27	38	47	59	78	89	97	100		41	43	16
1983 JUL 21	15:01	8.0	598		588 R	72 R	14	20	28	39	47	53	60	68	79	95	98	47	33	20
1983 AUG 24	15:57	8.0	511		474 R	71 R	13	18	28	36	46	56	70	80	88	95	98	42	40	18
1983 OCT 08	12:00E	6.0	186	H	51	117														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN
CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL R - SAMPLES COLLECTED IN SEVERAL VERTICALS
DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

BRITISH COLUMBIA

ISKUT RIVER BELOW JOHNSON RIVER - STATION NO. 08CG001

LOCATION: LAT 56 44 20 N LONG 131 40 25 W
DRAINAGE AREA: 9 350 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1983 MAR 24	12:00E	3.0	58.6	H	1															
1983 JUN 02	12:20	7.0	1 380		870 R	101 R	15	23	32	44	56	68	81	91	97	100		32	45	23
1983 JUL 21	09:48	8.0	1 040		482 R	84 R	15	21	30	43	56	68	76	90	97	100		34	45	21
1983 AUG 24	12:59	8.0	1 050		807 R	87 R	7	12	20	30	42	56	73	87	96	100		44	44	12
1983 OCT 07	12:00E	6.5	289	H	99															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN
CONCENTRATION SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS
DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

KECHIKA RIVER AT THE MOUTH - STATION NO. 10BB001

LOCATION: LAT 59 38 55 N LONG 127 18 37 W
DRAINAGE AREA: 22 700 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 JUN 06	15:45		823	H	245	124	04	10	22	38	53	85	80	93	98	100		35	55	10
1982 JUN 17	14:35	10.6	1 170		391 R	86 R	13	20	32	46	61	77	90	97	98	100		23	57	20
1982 AUG 26	12:00E	8.0	328	H	47 R	149 R														
1983 JUN 23	12:00E	14.0	886	H	145 R	140 R														
1983 AUG 27	12:00E	12.5	341	H	44 R	143 R														
1983 OCT 25	12:00E	2.0	149	H	9															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN
CONCENTRATION SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS
DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

KLAPPAN RIVER NEAR TELEGRAPH CREEK - STATION NO. 08CC001

LOCATION: LAT 57 54 00 N LONG 129 42 14 W
DRAINAGE AREA: 3 550 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1982 JUN 18	12:20		385		718 R	44 R	13	20	30	41	53	67	81	92	97	98	100	33	47	20
1982 AUG 21	12:00E	10.5	86.7	H	95 R	68 R														
1982 OCT 05	12:00E	4.0	43.5	H	7 R	125 R														
1983 JUN 03	13:33	5.0	487	H	775 K	85 R	10	17	28	33	41	54	72	88	97	100		46	37	17
1983 JUN 21	09:44	8.0	282		243 R	85 R	23	27	37	43	51	60	71	81	89	98	100	40	33	27
1983 AUG 20	12:00E	9.0	84.2	H	34 R	131 R														
1983 OCT 23	12:00E	1.5	38.6	Y	7 R	138 R														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN; Y - DAILY MEAN; ESTIMATED
CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL; R - SAMPLES COLLECTED IN SEVERAL VERTICALS
DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

KOOTENAY RIVER AT CANAL FLATS - STATION NO. 08NF002

LOCATION: LAT 50 08 52 N LONG 115 47 57 W
DRAINAGE AREA: 5 380 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)
1982 MAY 05	12:00E		37.7	H	5	
1982 MAY 28	12:00E	8.0	209	H	55 R	173 R
1982 JUL 09	12:00E	10.0	240	H	55 R	143 R
1982 JUL 23	12:00E	10.0	168	H	18 R	135 R
1982 AUG 26	12:00E	12.0	88.9	H	6 R	139 R
1982 OCT 25	12:00E	5.0	47.3	H	3 R	182 R
1983 MAY 13	12:00E	7.0	70.4	H	6 R	203 R
1983 JUN 06	12:00E	8.0	261	H	70 R	184 R
1983 JUL 29	12:00E	11.5	142	V	12 R	182 R
1983 AUG 25	12:00E		84.7	H	14 R	184 R
1983 SEP 26	12:00E	9.0	46.1	H	5 R	195 R

PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES											PERCENT		
.002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	SAND	SILT	CLAY

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE
CONCENTRATION SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS
DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

LIARD RIVER ABOVE BEAVER RIVER - STATION NO. 10BE005

LOCATION: LAT 59 44 33 N LONG 124 28 35 W
DRAINAGE AREA: 119 000 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)
1982 JUN 09	12:00E		4 090	H	238	118
1982 JUL 21	12:00E	18.0	1 830	H	61 R	133 R
1982 SEP 29	12:00E	4.0	932	H	7	105
1983 MAY 10	14:07	2.5	985		244 R	173 R
1983 JUN 07	12:00E	10.0	4 520	H	265 K	132 K
1983 JUL 28	12:00E	9.0	1 810	V	121 K	182 K
1983 SEP 28	12:00E	4.0	1 280	H	5 K	153 K

PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES											PERCENT		
.002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	SAND	SILT	CLAY
11	15	35	57	74	88	92	96	98	100		14	71	15

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE
CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL R - SAMPLES COLLECTED IN SEVERAL VERTICALS
DISSOLVED SOLIDS SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL R - SAMPLES COLLECTED IN SEVERAL VERTICALS

LIARD RIVER ABOVE KECHIKA RIVER - STATION NO. 10BE006

LOCATION: LAT 59 42 04 N LONG 127 13 38 W
DRAINAGE AREA: 81 800 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)
1982 JUN 18	12:00E		2 380	H	120 R	70 R
1983 AUG 30	12:00E	13.0	887	H	17	
1983 OCT 17	12:00E	2.0	536	H	8	

PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES											PERCENT		
.002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	SAND	SILT	CLAY

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN
CONCENTRATION SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS
DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

BRITISH COLUMBIA

LIARD RIVER AT LOWER CROSSING - STATION NO. 10BE001

LOCATION: LAT 59 24 45 N LONG 125 05 50 W
DRAINAGE AREA: 104 000 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 JUN 02	12 15	8.1	7 820	H	822	116	08	13	23	39	82	92	100					8	79	13
1983 MAY 13	12 00E	2.0	1 020	H	154 R	140 R														
1983 JUN 10	12 00E	10.5	3 160	H	124 R	122 R														
1983 AUG 02	12 00E	14.0	1 290	H	63 K	128 K														
1983 SEP 29	12:00E	3.0	1 050	H	7 R	136 R														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN
CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL R - SAMPLES COLLECTED IN SEVERAL VERTICALS
DISSOLVED SOLIDS SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL R - SAMPLES COLLECTED IN SEVERAL VERTICALS

MORE CREEK NEAR THE MOUTH - STATION NO. 08CC005

LOCATION: LAT 57 02 27 N LONG 130 24 05 W
DRAINAGE AREA: 844 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1983 MAR 24	12 00E	3.0	4.20	W	1															
1983 APR 28	12 00E	2.0	29.1	H	72 R	171 R														
1983 JUL 22	10 31	2.0	101		387 R	72 R	19	24	36	48	57	65	74	83	90	100		35	41	24
1983 AUG 25	11:00	5.5	117		501 R	78 R	10	20	33	46	56	67	77	86	94	100		33	47	20
1983 OCT 08	12:00E	4.0	24.0	H	24															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN, ICE CONDITIONS
CONCENTRATION SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS
DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

MOSLEY CREEK NEAR DUMBELL LAKE - STATION NO. 08GD007

LOCATION: LAT 51 24 31 N LONG 124 55 54 W
DRAINAGE AREA: 1 550 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1982 JUN 15	09:11	8.0	154		285 R	34 R	13	18	22	30	40	52	85	87	95	100		48	38	15
1982 SEP 01	12:00E	6.5	85.8	H	110 R	15 R														
1982 OCT 04	12:00E	6.0	28.3	H	33															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN
CONCENTRATION SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS
DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

MURRAY RIVER NEAR THE MOUTH - STATION NO. 07FB002

LOCATION: LAT 55 34 15 N LONG 121 11 18 W
DRAINAGE AREA: 5 820 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1980 MAY 14	12:00E	7.0	226	H	177 R	102 R														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN
CONCENTRATION SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS
DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

PITT RIVER NEAR PORT COQUITLAM - STATION NO. 08MH035

LOCATION: LAT 49 14 40 N LONG 122 44 00 W
DRAINAGE AREA: 1 640 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 JAN 02	12:00E	0.1		30															
1972 JAN 11	12:00E	2.0		14															
1972 JAN 17	12:00E	0.3		21															
1972 JAN 31	12:00E	0.2		31															
1972 FEB 09	12:00E	0.2		9															
1972 FEB 16	12:00E	3.0		51															
1972 FEB 29	12:00E	4.0		24															
1972 MAR 08	12:00E	4.2		23															
1972 MAR 17	12:00E	5.0		18															
1972 MAR 26	12:00E	4.0		88															
1972 MAR 31	12:00E			54															
1972 APR 05	12:00E	6.5		31															
1972 APR 11	12:00E	5.5		108															
1972 APR 16	12:00E	5.5		44															
1972 APR 21	12:00E	7.0		25															
1972 APR 24	12:00E	6.5		38															
1972 APR 27	12:00E	8.1		27															
1972 APR 30	12:00E	9.5		20															
1972 MAY 02	12:00E	8.0		43															
1972 MAY 05	12:00E	8.0		71															
1972 MAY 08	12:00E	10.0		67															
1972 MAY 11	12:00E	10.0		98															
1972 MAY 14	12:00E	11.5		82															
1972 MAY 16	12:00E	10.3		58															
1972 MAY 19	12:00E	10.3		31															
1972 MAY 22	12:00E	11.0		1															
1972 MAY 25	12:00E	10.5		1															
1972 MAY 28	12:00E	11.5		17															
1972 MAY 31	12:00E	11.8		21															
1972 JUN 02	12:00E			38															
1972 JUN 05	12:00E	13.0		6															
1972 JUN 07	12:00E	12.5		3															
1972 JUN 09	12:00E	11.0		6															
1972 JUN 11	12:00E	12.5		9															
1972 JUN 14	12:00E	11.0		36															
1972 JUN 16	12:00E	12.5		25															
1972 JUN 19	12:00E	11.0		0															
1972 JUN 20	12:00E	11.3		1															
1972 JUN 22	12:00E	13.0		2															
1972 JUN 25	12:00E			25															
1972 JUN 27	12:00E	13.5		20															
1972 JUN 30	12:00E	13.0		11															
1972 JUL 04	12:00E	15.0		4															
1972 JUL 07	12:00E	15.0		5															
1972 JUL 10	12:00E	15.0		18															
1972 JUL 13	12:00E	16.0		9															
1972 JUL 17	12:00E	14.0		1															
1972 JUL 21	12:00E	17.0		10															
1972 JUL 27	12:00E	16.0		12															
1972 AUG 10	12:00E	16.5		19															
1972 AUG 18	12:00E	17.0		44															
1972 AUG 25	12:00E	17.0		28															
1972 AUG 31	12:00E	16.0		30															
1972 SEP 07	12:00E	16.0		40															
1972 SEP 14	12:00E	15.0		30															
1972 SEP 21	12:00E	15.0		35															
1972 SEP 28	12:00E	11.0		38															
1972 OCT 05	12:00E	12.0		23															
1972 OCT 13	12:00E	10.0		38															
1972 OCT 22	12:00E	8.0		31															
1972 OCT 29	12:00E	9.3		50															
1972 NOV 06	12:00E	7.0		24															
1972 NOV 13	12:00E	7.0		13															
1972 NOV 20	12:00E	5.0		27															
1972 NOV 28	12:00E	6.0		35															
1972 DEC 04	12:00E	4.0		27															
1972 DEC 15	12:00E	4.0		8															
1972 DEC 22	12:00E	4.0		51															
1972 DEC 31	12:00E			15															
1973 JAN 07	12:00E			20															
1973 JAN 19	12:00E	3.0		81															
1973 JAN 28	12:00E	2.0		21															
1973 FEB 05	12:00E	3.0		29															
1973 FEB 13	12:00E	4.0		12															
1973 FEB 20	12:00E	5.0		45															
1973 FEB 27	12:00E	5.0		17															
1973 MAR 07	12:00E	6.0		35															
1973 MAR 15	12:00E			22															
1973 MAR 22	12:00E			40															
1973 MAR 30	12:00E	5.2		37															
1973 MAR 31	12:00E	6.0		54															
1973 APR 06	12:00E	7.0		87															
1973 APR 13	12:00E	7.5		74															
1973 APR 23	12:00E	7.3		58															
1973 APR 26	12:00E	7.5		71															
1973 APR 29	12:00E	8.0		71															
1973 MAY 04	12:00E	8.0		77															
1973 MAY 06	12:00E	10.2		44															

TIME SYMBOL: E - ESTIMATED

CONTINUED

PITT RIVER NEAR PORT COQUITLAM - STATION NO. 08MH035 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1973 MAY 09	12:00E	8.0		87															
1973 MAY 11	12:00E	9.0		103															
1973 MAY 14	12:00E	9.0		43															
1973 MAY 17	12:00E	8.5		32															
1973 MAY 20	12:00E	11.0		71															
1973 MAY 23	12:00E	12.0		51															
1973 MAY 25	12:00E	10.0		8															
1973 MAY 26	12:00E	10.3		8															
1973 MAY 31	12:00E	12.0		40															
1973 JUN 03	12:00E	11.0		28															
1973 JUN 05	12:00E	11.0		25															
1973 JUN 08	12:00E	11.8		4															
1973 JUN 11	12:00E	12.0		34															
1973 JUN 14	12:00E	12.0		9															
1973 JUN 17	12:00E	13.0		18															
1973 JUN 20	12:00E	12.0		7															
1973 JUN 22	12:00E	14.0		3															
1973 JUN 24	12:00E			1															
1973 JUN 26	12:00E	14.0		13															
1973 JUL 05	12:00E	14.5		1															
1973 JUL 06	12:00E	15.0		11															
1973 JUL 11	12:00E			29															
1973 JUL 15	12:00E	16.0		15															
1973 JUL 18	12:00E	13.5		10															
1973 JUL 23	12:00E	16.0		10															
1973 JUL 25	12:00E	17.0		19															
1973 AUG 05	12:00E	16.0		21															
1973 AUG 13	12:00E	16.0		32															
1973 AUG 20	12:00E	16.0		15															
1973 AUG 27	12:00E	16.0		34															
1973 SEP 02	12:00E	15.5		24															
1973 SEP 11	12:00E	15.0		13															
1973 SEP 18	12:00E	15.0		25															
1973 SEP 28	12:00E	14.0		11															
1973 OCT 04	12:00E	14.0		83															
1973 OCT 13	12:00E			41															
1973 OCT 21	12:00E			21															
1973 OCT 28	12:00E	10.0		31															
1973 NOV 05	12:00E	9.0		40															
1973 NOV 12	12:00E	10.0		27															
1973 NOV 18	12:00E	9.0		12															
1973 NOV 26	12:00E	8.0		41															
1973 DEC 04	12:00E	8.0		11															
1973 DEC 11	12:00E	7.0		19															
1973 DEC 18	12:00E	7.0		14															
1973 DEC 26	12:00E	8.0		21															
1974 JAN 05	12:00E	4.0		11															
1974 JAN 16	12:00E	7.0		17															
1974 JAN 23	12:00E	7.0		45															
1974 FEB 02	12:00E	5.0		24															
1974 FEB 09	12:00E	3.0		31															
1974 FEB 16	12:00E	4.0		17															
1974 FEB 25	12:00E	5.0		23															
1974 MAR 04	12:00E	4.0		21															
1974 MAR 11	12:00E			20															
1974 MAR 19	12:00E			22															
1974 MAR 24	12:00E			25															
1974 APR 03	12:00E	7.5		24															
1974 APR 10	12:00E	6.0		34															
1974 APR 15	12:00E	9.0		113															
1974 APR 20	12:00E	7.0		149															
1974 APR 24	12:00E	9.0		122															
1974 APR 27	12:00E	7.0		71															
1974 APR 30	12:00E	9.0		183															
1974 MAY 02	12:00E	8.0		105															
1974 MAY 04	12:00E	9.0		204															
1974 MAY 06	12:00E	8.0		118															
1974 MAY 09	12:00E	8.5		27															
1974 MAY 12	12:00E	8.5		40															
1974 MAY 15	12:00E	8.4		4															
1974 MAY 18	12:00E	10.0		12															
1974 MAY 20	12:00E	10.0		87															
1974 MAY 23	12:00E	9.5		37															
1974 MAY 25	12:00E	10.5		0															
1974 MAY 27	12:00E	10.0		3															
1974 MAY 29	12:00E			2															
1974 MAY 31	12:00E	11.0		2															
1974 JUN 02	12:00E	12.0		2															
1974 JUN 04	12:00E	12.0		2															
1974 JUN 06	12:00E	11.5		61															
1974 JUN 08	12:00E	12.5		3															
1974 JUN 10	12:00E	12.0		1															
1974 JUN 12	12:00E	15.0		1															
1974 JUN 14	12:00E	15.5		1															
1974 JUN 16	12:00E	15.5		1															
1974 JUN 18	12:00E	15.0		3															
1974 JUN 20	12:00E	15.0		14															
1974 JUN 22	12:00E	15.5		2															

TIME SYMBOL: E - ESTIMATED

CONTINUED

PITT RIVER NEAR PORT COQUITLAM - STATION NO. 08MH035 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP.	INSTANT. DISCHARGE	INSTANT. CONCENT.	DISSOLVED SOLIDS	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES										PERCENT		
						.002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	SAND	SILT	CLAY
		(°C)	(m^3/s)	(mg/L)	(mg/L)														
1974 JUN 24	12:00E	15.5		1															
1974 JUN 26	12:00E	14.0		3															
1974 JUN 28	12:00E	13.0		0															
1974 JUN 30	12:00E	14.0		15															
1974 JUL 02	12:00E	15.0		1															
1974 JUL 05	12:00E	13.5		13															
1974 JUL 07	12:00E	14.0		6															
1974 JUL 09	12:00E	14.0		1															
1974 JUL 11	12:00E	12.0		0															
1974 JUL 14	12:00E	13.5		0															
1974 JUL 17	12:00E	14.0		13															
1974 JUL 21	12:00E	14.0		15															
1974 JUL 25	12:00E	14.5		1															
1974 JUL 29	12:00E	15.0		2															
1974 AUG 04	12:00E	13.0		6															
1974 AUG 12	12:00E	18.0		6															
1974 AUG 19	12:00E	14.0		47															
1974 AUG 26	12:00E	15.0		57															
1974 SEP 02	12:00E	15.0		15															
1974 SEP 09	12:00E	16.0		11															
1974 SEP 17	12:00E	16.0		55															
1974 SEP 23	12:00E	15.0		13															
1974 OCT 01	12:00E	14.0		67															
1974 OCT 08	12:00E	13.0		25															
1974 OCT 16	12:00E	12.0		51															
1974 OCT 24	12:00E	13.0		30															
1974 OCT 31	12:00E	12.0		33															
1974 NOV 08	12:00E	13.0		22															
1974 NOV 18	12:00E	8.5		23															
1974 NOV 24	12:00E	7.0		8															
1974 NOV 30	12:00E	8.0		24															
1974 DEC 08	12:00E	7.0		34															
1974 DEC 14	12:00E	8.0		40															
1974 DEC 24	12:00E	8.0		11															
1974 DEC 30	12:00E	8.0		30															

TIME SYMBOL: E - ESTIMATED

PLACE CREEK NEAR BIRKEN - STATION NO. 08MG019

LOCATION: LAT 50 24 43 N LONG 122 37 14 W
DRAINAGE AREA: 7.28 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1968 JUL 08	08:30			176	7														
1968 JUL 08	16:15			233	6														
1968 JUL 09	08:30			231	7														
1968 JUL 09	16:15			183	8														
1968 JUL 11	08:15			196	4														
1968 JUL 11	16:15			242	4														
1968 JUL 12	16:30			293	5														
1968 JUL 13	08:30			263	8														
1968 JUL 13	16:15			199	14														
1968 JUL 14	08:30			172	16														
1968 JUL 14	16:15			175	3														
1968 JUL 15	17:00			141	12														
1968 JUL 16	08:30			124	12														
1968 JUL 16	16:00			112	13														
1968 JUL 18	08:15			77	9														
1968 JUL 25	12:00			73	9														
1968 JUL 25	16:15			88	6														
1968 JUL 26	12:00			94	7														
1968 JUL 26	16:15			121	7														
1968 JUL 27	20:00			193	40	22	30	44	75	94	98	99	100				2	68	30
1968 JUL 28	08:15			116	6														
1968 JUL 28	20:15			224	18	22	30	49	78	92	99	99	100				1	69	30
1968 JUL 30	08:15			127	12														
1968 JUL 30	20:00			130	10														
1968 AUG 01	08:15			107	13														
1968 AUG 03	08:30			130	5														
1968 AUG 04	08:15			169	5														
1968 AUG 04	16:00			175	7														
1968 AUG 09	12:00			82	10														
1968 AUG 10	11:00			89	13														
1968 AUG 10	12:00			97	5														
1968 AUG 14	09:00			728	10														
1968 AUG 14	16:00			55	5														
1968 AUG 15	08:15			83	13														
1968 AUG 16	16:15			54	12														
1968 AUG 17	09:39			88	11														
1968 AUG 17	16:15			115	10														
1968 AUG 19	08:15			50	19														
1968 AUG 19	16:15			51	10														
1968 AUG 21	08:30			51	8														
1968 AUG 21	16:30			48	27														
1968 AUG 22	09:30			41	9														
1968 AUG 23	08:30			51	10														
1968 AUG 24	08:30			1 580	14														
1968 AUG 25	08:30			172	13														
1968 AUG 25	16:15			105	8														
1968 AUG 26	08:15			57	9														
1968 AUG 26	16:15			43	13														
1968 AUG 27	08:10			40	8														
1968 AUG 27	16:15			39	16														
1968 AUG 28	08:15			44	14														
1968 SEP 01	15:30			180	12														
1968 SEP 02	15:15			107	20														
1968 SEP 03	08:30			84	22														
1968 SEP 04	12:30			57	18														
1968 SEP 05	08:15			50	15														
1968 SEP 05	08:15			58	11														
1968 SEP 06	17:00			155	14														

QUALITY CREEK NEAR THE MOUTH - STATION NO. 07FB005

LOCATION: LAT 55 08 45 N LONG 120 55 24 W
DRAINAGE AREA: 29.5 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1978 JUL 23	12:00E		0.185 H	10															
1979 JUL 26	12:00E		0.184 H	8															
1979 AUG 14	12:00E		0.088 H	7	226														
1979 SEP 27	12:00E	9.0	0.048 H	3	228														
1980 JUL 31	12:00E		0.183 H	8	202														
1980 AUG 27	12:00E		0.480 H	19	188														
1980 SEP 10	12:00E		0.173 H	4	197														
1980 OCT 21	12:00E		0.138 H	2	201														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

BRITISH COLUMBIA

SILVERHOPE CREEK NEAR HOPE - STATION NO. 08MF009

LOCATION: LAT 49 21 47 N LONG 121 28 09 W
DRAINAGE AREA: 350 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 JAN 04	12:00E	1.2	3.68	H	1	40														
1971 FEB 05	12:00E	2.5	15.1	H	4	29														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

SMOKY CREEK ABOVE DIVERSIONS - STATION NO. 08NJ162

LOCATION: LAT 49 27 57 N LONG 117 31 04 W
DRAINAGE AREA: 5.59 km^2
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	PERCENT SILT	PERCENT CLAY
1983 JAN 02	12:00E	0.1	0.015 Y	3	75														
1983 JAN 09	12:00E	1.5	0.025 H	3															
1983 JAN 16	12:00E	2.0	0.030 H	6	35														
1983 JAN 23	12:00E	3.0	0.030 H	2															
1983 JAN 27	12:00E	3.0	0.050 H	7															
1983 JAN 28	12:00E	3.0	0.058 H	4	53														
1983 JAN 30	12:00E	2.5	0.053 H	7															
1983 FEB 06	12:00E	1.0	0.048 H	4															
1983 FEB 12	12:00E	3.0	0.059 H	7	56														
1983 FEB 13	12:00E	3.0	0.061 H	2															
1983 FEB 17	12:00E	3.0	0.078 H	5															
1983 FEB 20	12:00E	3.0	0.088 H	1															
1983 FEB 27	12:00E	4.0	0.102 H	8	57														
1983 MAR 06	12:00E	4.0	0.127 H	3															
1983 MAR 09	12:00E	4.0	0.188 H	14	55														
1983 MAR 10	12:00E	4.0	0.300 H	29															
1983 MAR 13	12:00E	4.0	0.227 H	11															
1983 MAR 16	12:00E	4.0	0.159 H	3															
1983 MAR 20	12:00E	3.5	0.108 H	1															
1983 MAR 27	12:00E	4.0	0.085 H	1	85														
1983 MAR 30	12:00E	4.0	0.105 H	4															
1983 APR 03	12:00E	4.0	0.108 H	2	57														
1983 APR 05	12:00E	5.0	0.105 H	3															
1983 APR 07	12:00E	4.5	0.123 H	8															
1983 APR 10	12:00E	3.0	0.123 H	1															
1983 APR 13	12:00E	4.0	0.105 H	0	47														
1983 APR 17	12:00E	5.0	0.105 H	3															
1983 APR 19	12:00E	5.0	0.187 H	11															
1983 APR 20	12:00E	5.0	0.232 H	9															
1983 APR 21	12:00E	5.0	0.288 H	14															
1983 APR 22	12:00E	5.0	0.300 H	7															
1983 APR 23	12:00E	5.0	0.354 H	28	47														
1983 APR 25	12:00E	5.0	0.457 H	116															
1983 APR 26	12:00E	5.0	0.387 H	37	21														
1983 APR 27	12:00E	5.0	0.354 H	17															
1983 APR 28	12:00E	5.0	0.289 H	16															
1983 APR 29	12:00E	5.5	0.249 H	1															
1983 APR 30	12:00E	4.5	0.249 H	3															
1983 MAY 01	12:00E	5.0	0.244 H	5															
1983 MAY 02	12:00E	5.0	0.249 H	1															
1983 MAY 03	12:00E	5.0	0.244 H	1															
1983 MAY 04	12:00E		0.232 H	0															
1983 MAY 05	12:00E		0.222 H	1	37														
1983 MAY 06	12:00E		0.238 H	4															
1983 MAY 07	12:00E	5.5	0.261 H	2															
1983 MAY 08	12:00E	5.5	0.238 H	3															
1983 MAY 09	12:00E	5.5	0.195 H	3															
1983 MAY 10	12:00E	6.0	0.184 H	2															
1983 MAY 11	12:00E	7.0	0.171 H	1															
1983 MAY 12	12:00E	7.0	0.163 H	1															
1983 MAY 13	12:00E	7.0	0.159 H	1															
1983 MAY 14	12:00E	7.0	0.159 H	1															
1983 MAY 15	12:00E	8.0	0.159 H	1															
1983 MAY 16	12:00E	7.0	0.150 H	0															
1983 MAY 17	12:00E	7.0	0.146 H	2	33														
1983 MAY 18	12:00E	7.0	0.136 H	1															
1983 MAY 19	12:00E	7.0	0.131 H	2															
1983 MAY 20	12:00E	8.0	0.127 H	1															
1983 MAY 21	12:00E	8.0	0.134 H	3															
1983 MAY 22	12:00E	8.0	0.131 H	4															
1983 MAY 23	12:00E	9.0	0.127 H	3															
1983 MAY 24	12:00E	9.0	0.127 H	2															
1983 MAY 25	12:00E	9.0	0.119 H	0															
1983 MAY 26	12:00E	9.0	0.116 H	3															
1983 MAY 27	12:00E	9.5	0.112 H	1															
1983 MAY 28	12:00E	9.5	0.103 H	4															
1983 MAY 29	12:00E	10.0	0.096 H	2	33														
1983 MAY 30	12:00E	10.0	0.088 H	1															
1983 MAY 31	12:00E	10.0	0.084 H	3															
1983 JUN 02	12:00E	9.0	0.092 H	6	31														
1983 JUN 03	12:00E	9.5	0.076 H	1															
1983 JUN 04	12:00E	9.5	0.068 H	12	62														
1983 JUN 05	12:00E	10.0	0.062 H	12															
1983 JUN 06	12:00E	10.0	0.057 H	7															
1983 JUN 07	12:00E	10.0	0.053 H	8															
1983 JUN 08	12:00E	10.0	0.050 H	7															
1983 JUN 09	12:00E	9.5	0.048 H	11															
1983 JUN 10	12:00E	9.0	0.053 H	1	70														
1983 JUN 11	12:00E	9.0	0.044 H	2															
1983 JUN 12	12:00E	9.5	0.041 H	2															
1983 JUN 13	12:00E	10.0	0.038 H	1															
1983 JUN 14	12:00E	10.5	0.033 H	3															
1983 JUN 15	12:00E	10.0	0.038 H	0															
1983 JUN 16	12:00E	10.0	0.033 H	2															
1983 JUN 17	12:00E	10.0	0.032 H	4															
1983 JUN 18	12:00E	9.0	0.033 H	6															
1983 JUN 19	12:00E	9.0	0.032 H	1															
1983 JUN 20	12:00E	9.0	0.038 H	0															
1983 JUN 21	12:00E	9.0	0.027 H	2															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

Y - DAILY MEAN; ESTIMATED

CONTINUED

SMOKY CREEK ABOVE DIVERSIONS - STATION NO. 08NJ162 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1983 JUN 22	12:00E	10.0	0.027 H	0	61														
1983 JUN 23	12:00E	10.0	0.027 H	2															
1983 JUN 24	12:00E	9.0	0.030 H	4															
1983 JUN 25	12:00E	10.0	0.025 H	4															
1983 JUN 26	12:00E	10.0	0.025 H	4															
1983 JUN 27	12:00E	10.0	0.023 H	6															
1983 JUN 28	12:00E	10.0	0.023 H	0															
1983 JUN 29	12:00E	11.0	0.022 H	4															
1983 JUN 30	12:00E	11.0	0.023 H	3															
1983 JUL 01	12:00E	10.0	0.025 H	6															
1983 JUL 02	12:00E	9.5	0.029 H	2															
1983 JUL 06	12:00E	11.0	0.030 H	1															
1983 JUL 10	12:00E	11.0	0.021 H	1	83														
1983 JUL 13	12:00E	11.0	0.032 H	0															
1983 JUL 17	12:00E	11.0	0.032 H	1															
1983 JUL 20	12:00E	11.0	0.036 H	1															
1983 JUL 24	12:00E	12.0	0.032 H	0															
1983 JUL 25	12:00E	11.0	0.046 H	0															
1983 JUL 27	12:00E	10.5	0.041 H	1															
1983 JUL 31	12:00E	12.5	0.035 H	1															
1983 AUG 03	12:00E	13.0	0.030 H	1															
1983 AUG 07	12:00E	14.0	0.025 H	1	71														
1983 AUG 10	12:00E	14.0	0.026 H	1															
1983 AUG 14	12:00E	14.0	0.022 H	0															
1983 AUG 17	12:00E	13.5	0.018 H	1															
1983 AUG 21	12:00E	11.0	0.015 H	1	37														
1983 AUG 24	12:00E	12.5	0.023 H	0															
1983 AUG 28	12:00E	12.5	0.015 H	0															
1983 AUG 31	12:00E	13.5	0.013 H	1															
1983 SEP 04	12:00E	11.5	0.012 H	2	47														
1983 SEP 11	12:00E	9.5	0.011 H	0															
1983 SEP 18	12:00E	8.0	0.009 H	0	57														
1983 SEP 25	12:00E	10.0	0.007 H	3															
1983 OCT 02	12:00E	7.5	0.005 H	1															
1983 OCT 09	12:00E	8.0	0.004 H	1	57														
1983 OCT 16	12:00E	8.0	0.004 H	1	55														
1983 OCT 23	12:00E	8.0	0.007 H	0															
1983 OCT 30	12:00E	5.5	0.004 H	4	55														
1983 NOV 03	12:00E	7.0	0.033 H	0															
1983 NOV 06	12:00E	5.5	0.017 H	1															
1983 NOV 11	12:00E	5.0	0.033 H	1	57														
1983 NOV 13	12:00E	5.0	0.040 H	4															
1983 NOV 15	12:00E	4.0	0.066 H	3															
1983 NOV 16	12:00E	4.0	0.084 H	9	59														
1983 NOV 17	12:00E	5.0	0.105 H	12															
1983 NOV 20	12:00E	5.0	0.103 H	1															
1983 NOV 25	12:00E	3.5	0.076 H	1	53														
1983 NOV 27	12:00E	4.0	0.070 H	1															
1983 DEC 04	12:00E	1.0	0.050 H	2	54														
1983 DEC 11	12:00E	2.0	0.040 H	4															
1983 DEC 18	12:00E	0.1	0.032 H	3	58														
1983 DEC 25	12:00E	0.1	0.023 H	1															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

STAVE LAKE INFLOW - STATION NO. 08MH040

LOCATION: LAT 49 13 49 N LONG 122 21 18 W
DRAINAGE AREA: 935 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1965 JUN 07	12:00E			2	16														
1965 JUN 15	12:00E			4	13														
1965 JUN 22	12:00E	15.6		3	18														
1965 JUL 02	12:00E	16.3		4	17														
1965 JUL 15	12:00E	16.3		2	25														
1965 JUL 31	12:00E	16.9		3	15														
1965 AUG 13	12:00E	16.9		3	16														
1965 SEP 01	12:00E			2	13														
1965 SEP 20	12:00E			3	14														
1965 OCT 06	12:00E			2	13														
1965 OCT 19	12:00E	17.8		3	12														
1965 NOV 04	12:00E			4	15														
1965 NOV 16	12:00E			3	15														
1965 DEC 02	12:00E			1	16														
1965 DEC 16	12:00E			2	16														
1966 JAN 03	12:00E			2	30														
1966 JAN 17	12:00E			6	8														
1966 JAN 31	12:00E			5	10														
1966 FEB 15	12:00E	3.8		6	15														
1966 MAR 01	12:00E			4	7														
1966 MAR 14	12:00E			6	8														
1966 MAR 30	12:00E	6.7		6	14														
1966 APR 15	12:00E	8.7		4	16														
1966 APR 29	12:00E	10.0		1	9														
1966 MAY 19	12:00E			2	7														
1966 MAY 26	12:00E			1	10														
1966 JUN 21	12:00E			1	8														
1966 JUL 05	12:00E			3	7														
1966 JUL 15	12:00E	16.3		2	10														
1966 AUG 04	12:00E			2	5														
1966 AUG 15	12:00E	19.4		5	22														
1966 SEP 01	12:00E			2	18														
1966 SEP 30	12:00E	16.7		1	19														
1966 OCT 14	12:00E	10.5		2	8														
1966 NOV 01	2:00E			5	14														
1966 NOV 15	2:00E	5.3		2	20														
1966 NOV 30	12:00E			5	14														
1966 DEC 13	12:00E	5.7		12	19														
1967 JAN 04	12:00E	5.5		5	15														
1967 JAN 18	12:00E	5.1		3	22														
1967 FEB 02	12:00E	5.5		5	25														
1967 FEB 16	12:00E			3	22														
1967 MAR 01	12:00E			2	17														
1967 MAR 15	12:00E			2															
1967 APR 03	12:00E			3	10														
1967 APR 14	12:00E	7.8		2	10														
1967 MAY 02	12:00E			2															
1967 MAY 16	12:00E	12.2		3	27														
1967 JUN 16	12:00E			2	23														
1967 JUN 27	12:00E	17.8		3	22														
1967 JUL 17	12:00E	16.3		10															
1967 AUG 08	12:00E			1	10														
1967 AUG 18	12:00E	19.4		4	7														
1967 AUG 31	12:00E	16.9		2	12														
1967 SEP 12	12:00E			3	10														
1967 OCT 02	12:00E			2	17														
1967 OCT 23	12:00E			3	20														
1967 NOV 11	12:00E			3															
1967 NOV 15	12:00E	8.3		5	18														
1967 NOV 30	12:00E			3	8														
1967 DEC 29	12:00E			3	18														
1968 JAN 17	12:00E			1	14														
1968 JAN 28	12:00E	4.0		1	14														
1968 FEB 15	12:00E	4.0		1	11														
1968 FEB 29	12:00E	5.0		3	12														
1968 MAR 15	12:00E	5.5		2	7														
1968 MAR 28	12:00E	5.0		1	10														
1968 APR 18	12:00E	6.5		2	10														
1968 MAY 02	12:00E	9.5		2	16														
1968 MAY 22	12:00E	14.5		2	16														
1968 MAY 30	12:00E			4	11														
1968 JUN 19	12:00E			2	14														
1968 JUL 03	12:00E	20.5		1	12														
1968 JUL 17	12:00E			3	11														
1968 AUG 01	12:00E	22.0		3	11														
1968 AUG 16	12:00E			2	15														
1968 SEP 05	12:00E	20.0		2	9														
1968 SEP 18	12:00E			2	15														
1968 SEP 30	12:00E	14.5		4															
1968 OCT 24	12:00E	10.5		4	14														
1968 NOV 18	12:00E	8.0		3	14														
1968 DEC 02	12:00E			3	19														
1969 JAN 02	12:00E	0.5		2	7														
1969 JAN 16	12:00E	2.0		2	9														
1969 FEB 03	12:00E	0.5		12	4														

TIME SYMBOL: E - ESTIMATED

CONTINUED

STAVE LAKE INFLOW - STATION NO. 08MH040 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1969 FEB 18	12:00E				2		3															
1969 MAR 14	12:00E	4.0			1		4															
1969 MAR 31	12:00E				2		12															
1969 APR 16	12:00E	7.1			2		10															
1969 APR 30	12:00E	6.2			8		15															
1969 MAY 21	12:00E	15.5			1		15															
1969 JUN 03	12:00E	16.2			1		15															
1969 JUN 17	12:00E	20.9			1		6															
1969 JUL 03	12:00E	15.0			2		3															
1969 JUL 16	12:00E	15.8			3		8															
1969 JUL 31	12:00E	16.2			3		5															
1969 AUG 13	12:00E	17.0			4		8															
1969 SEP 04	12:00E	16.0			1		8															
1969 SEP 16	12:00E	15.5			1		8															
1969 SEP 30	12:00E				2		8															
1969 OCT 14	12:00E	13.0			2		12															
1969 OCT 28	12:00E	10.9			1		13															
1969 NOV 13	12:00E	8.2			1		12															
1969 NOV 28	12:00E	7.5			1		8															
1969 DEC 15	12:00E	8.0			2		10															
1970 JAN 05	12:00E	5.6			14		25															
1970 JAN 12	12:00E	6.1			3		21															
1970 FEB 03	12:00E	4.5			2		22															
1970 FEB 16	12:00E	5.5			2		17															
1970 MAR 02	12:00E	6.1			3		21															
1970 MAR 16	12:00E	6.5			2		18															
1970 APR 01	12:00E	7.0			1		12															
1970 APR 15	12:00E	6.1			2		23															
1970 APR 30	12:00E	9.2			3		14															
1970 MAY 14	12:00E	8.5			2		19															
1970 MAY 29	12:00E				4		29															
1970 JUN 12	12:00E	18.0			1		10															
1970 JUN 30	12:00E	18.8			1		8															
1970 JUL 16	12:00E	22.0			1		8															
1970 JUL 30	12:00E	18.5			2		7															
1970 AUG 17	12:00E	18.0			2		3															
1970 SEP 01	12:00E	18.8			1		2															
1970 SEP 15	12:00E	17.0			3		12															
1970 SEP 30	12:00E	15.0			2		10															
1970 OCT 15	12:00E	14.5			2		15															
1970 OCT 30	12:00E	12.0			3		18															
1970 NOV 16	12:00E	9.2			7		17															
1970 DEC 01	12:00E	5.2			1		15															
1970 DEC 15	12:00E	4.8			5		18															
1971 JAN 04	12:00E	3.5			0		8															
1971 FEB 01	12:00E				4		8															

TIME SYMBOL: E - ESTIMATED

STIKINE RIVER ABOVE BUTTERFLY CREEK - STATION NO. 08CF001

LOCATION: LAT 57 28 10 N LONG 131 45 00 W
DRAINAGE AREA: 38 000 km^2
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1983 JUN 04	12:35	8.0	2 960		821	R	95	R	18	23	31	41	51	65	84	98	100			35	42	23
1983 JUN 16	15:30	11.0	1 580		308	R	78	R	13	20	30	38	47	58	69	82	90	100		44	36	20
1983 JUL 07	08:31	12.0	1 480	H	234	K	84		12	18	28	37	46	57	70	83	94	100		43	39	18
1983 JUL 14	17:05		1 030	H	210	K	87			1	14	23	30	38	47	54	84	100		82	17	1
1983 AUG 09	08:47	11.0	884	H	228	K	86		31	35	39	43	48	55	68	79	91	100		45	20	35
1983 AUG 14	12:50	10.8	778	H	170	K	72		11	13	25	38	45	54	63	72	92	100		46	41	13
1983 AUG 23	12:00E	9.5	808	H	141	R	94	R														
1983 SEP 21	12:00E	7.0	881	H	101		89															
1983 OCT 16	12:00E		353	H	26																	
1983 OCT 27	12:00E	2.5	322	H	17	R	17	R														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL R - SAMPLES COLLECTED IN SEVERAL VERTICALS

DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

STIKINE RIVER ABOVE CHOUETTE RIVER - STATION NO. 08CF002

LOCATION: LAT 56 49 48 N LONG 131 45 57 W
DRAINAGE AREA: km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1983 JUL 14	11:15	11.0	1 890	266 R	72	12	15	23	35	44	58	78	93	99	100		42	43	15
1983 AUG 13	11:20	9.5	1 430	288 R	80 R	14	19	30	39	48	64	84	75	90	100		46	35	19
1983 SEP 20	12:00E	8.5		141	94														
1983 OCT 18	12:00E			55	117														

TIME SYMBOL: E - ESTIMATED

CONCENTRATION SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

STIKINE RIVER AT TELEGRAPH CREEK - STATION NO. 08CE001

LOCATION: LAT 57 54 03 N LONG 131 09 16 W
DRAINAGE AREA: 29 300 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1968 JUN 13	11:00	8.9	1 440		207	84														
1972 MAY 30	12:00E		2 830	H	1 600	80	19	26	37	50	64	74	91	98	99	100		28	48	25

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

TAKU RIVER NEAR TULSEQUAH - STATION NO. 08BB001

LOCATION: LAT 58 38 20 N LONG 133 32 25 W
DRAINAGE AREA: 15 500 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1968 JUN 17	19:00	7.8	547	168	92														

TASEKO RIVER AT OUTLET OF TASEKO LAKES - STATION NO. 08MA003

LOCATION: LAT 51 22 46 N LONG 123 37 50 W
DRAINAGE AREA: 1 520 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1982 JUN 14	12:00E	8.0	105	H	11 R	41 R														
1982 JUN 22	12:00E	10.0			10 R	48 R														
1982 AUG 12	12:00E	11.0	100	V	22 R	32 R														
1982 SEP 15	12:00E	9.5	46.8	V	21 R	37 R														
1983 APR 20	12:00E	4.0	4.20	V	15 R	22 R														
1983 JUN 05	12:00E	7.0	138	V	7	43														
1983 JUN 14	12:00E	8.0	81.9	H	12	46														
1983 JUL 05	12:00E	9.5	75.3	H	18 R	59 R														
1983 AUG 16	12:00E	12.5	108	H	17 R	32 R														
1983 SEP 14	12:00E	10.5	28.8	H	21	62														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE
CONCENTRATION SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS
DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

TRAPPING CREEK NEAR THE MOUTH - STATION NO. 08NN018

LOCATION: LAT 49 33 52 N LONG 119 03 08 W
DRAINAGE AREA: 144 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1986 MAY 17	12:00E		2.83	H	4															
1986 JUN 15	12:00E	8.3	2.23	H	3															
1986 AUG 16	12:00E		0.385	H	7															
1986 SEP 21	12:00E	12.8	0.187	H	4															
1986 NOV 22	12:00E	2.2	0.348	H	4															
1986 DEC 20	12:00E	1.7	0.351	W	4															
1987 FEB 08	12:00E	1.1	0.184	H	1															
1987 MAR 16	12:00E	1.7	0.156	H	1															
1987 MAY 15	12:00E	8.1	4.56	H	8															
1987 JUL 06	12:00E		0.906	H	3															
1987 AUG 17	12:00E	18.9	0.085	H	2															
1987 SEP 25	12:00E	11.1	0.045	H	2															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS

TUYA RIVER NEAR TELEGRAPH CREEK - STATION NO. 08CD001

LOCATION: LAT 58 04 20 N LONG 130 49 27 W
DRAINAGE AREA: 3 500 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 MAY 30	13:05	6.7	530	H	1 670	90	18	27	40	54	68	83	93	98	99	100		17	56	27

DISCHARGE SYMBOL(S): H - DAILY MEAN

ASSINIBOINE RIVER NEAR ROSSENDALE - STATION NO. 05MJ005

LOCATION: LAT 49 46 32 N LONG 098 38 32 W
DRAINAGE AREA: 152 000 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1973 JAN 16	12:00E	0.1		78															

TIME SYMBOL: E - ESTIMATED

BURNTWOOD RIVER ABOVE THREE POINT LAKE - STATION NO. 05TE001

LOCATION: LAT 55 27 50 N LONG 099 05 00 W
DRAINAGE AREA: 6 680 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 JUN 08	11:48	16.7		28	89														
1972 JUN 08	11:52	16.7		25	83														
1972 JUN 08	11:55	16.7		22	88														
1972 JUL 21	14:05	17.2		21	85														
1972 JUL 21	14:10	17.2		20	94														
1972 JUL 21	14:13	17.2		18	91														
1972 SEP 08	14:30	12.8		23	86														
1972 SEP 08	14:32	12.8		24	97														
1972 SEP 08	14:34	12.8		310	102														
1978 MAY 25	12:00E		120 H	105 R	88 R														
1979 JUL 19	12:00E	21.0	82.0 H	41	93														
1979 SEP 25	12:00E	5.0	26.8 V	15	96														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE
CONCENTRATION SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS
DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

BURNTWOOD RIVER NEAR THE ELBOW - STATION NO. 05TG004

LOCATION: LAT 56 05 13 N LONG 098 50 06 W
DRAINAGE AREA: 883 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1978 MAY 31	12:00E			44	80														
1978 JUN 28	12:00E	15.0		47	74														
1978 JUL 21	12:00E	16.7		40	83														
1978 AUG 28	12:00E			29	77														
1979 JUL 04	12:00E	18.0		35	84														
1979 AUG 20	12:00E	15.0		33	77														

TIME SYMBOL: E - ESTIMATED

MANITOBA

BURNTWOOD RIVER NEAR THOMPSON - STATION NO. 05TC001

LOCATION: LAT 55 44 40 N LONG 097 53 30 W
DRAINAGE AREA: 18 500 km²
TYPE OF FLOW: REGULATED SINCE 1973
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002 .004 .008 .016 .031 .062 .125 .250 .500 1.00 2.00	PERCENT SAND SILT CLAY
1977 MAY 09	12:00E		490	H	21	103		
1977 MAY 24	12:00E		482	H	18	97		
1977 JUN 01	12:00E		551	H	35	108		
1977 JUN 10	12:00E		803	H	24	112		
1977 JUL 15	12:00E		555	H	19 R	89 R		
1977 AUG 30	12:00E		705	H	44 R	96 R		
1977 SEP 22	12:00E		886	H	41 R	94 R		
1978 MAY 28	12:00E		736	V	26 R	55 R		
1978 JUN 13	12:00E		847	V	26 R	70 R		
1978 SEP 12	12:00E		841	H	21 R	73 R		
1979 JUN 08	12:00E	7.0	824	H	36 R	78 R		
1979 JUL 17	12:00E	18.0	777	V	28 R	78 R		
1981 JUN 02	12:00E	10.0	817	V	25 R	106 R		
1981 JUN 15	12:00E	10.0	931	H	15	88		
1981 JUN 29	12:00E	15.0	1 010	H	24 R	80 R		
1981 JUL 27	12:00E		1 120	H	27	80		

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE
CONCENTRATION SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS
DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

CHURCHILL RIVER ABOVE LEAF RAPIDS - STATION NO. 05EB004

LOCATION: LAT 56 29 37 N LONG 100 02 55 W
DRAINAGE AREA: 244 000 km²
TYPE OF FLOW: REGULATED SINCE 1928
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002 .004 .008 .016 .031 .062 .125 .250 .500 1.00 2.00	PERCENT SAND SILT CLAY
1975 MAY 08	12:00E		1 120	H	8			
1975 JUL 15	12:00E		1 350	H	10			

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN

EDWARDS CREEK NEAR DAUPHIN - STATION NO. 05LJ022

LOCATION: LAT 51 07 30 N LONG 100 02 20 W
DRAINAGE AREA: 142 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1969 APR 10	12:00E		0.572 W	12															
1969 APR 11	12:00E		4.16 W	233															
1969 APR 18	12:00E		2.30 W	813															
1969 APR 22	12:00E		0.855 V	85															
1969 APR 25	12:00E		0.584 H	54															
1969 MAY 06	12:00E		1.37 H	326															
1969 JUN 02	12:00E		4.36 V	1 110															
1969 JUL 01	12:00E		6.80 H	1 530															
1969 JUL 07	12:00E		1.74 H	152															
1969 AUG 05	12:00E		0.083 H	31															
1969 SEP 08	12:00E		0.051 H	85															
1969 OCT 08	12:00E		0.204 H	75															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN, ICE CONDITIONS

NELSON RIVER ABOVE BLADDER RAPIDS - STATION NO. 05UD004

LOCATION: LAT 54 46 30 N LONG 097 55 50 W
DRAINAGE AREA: 1 000 000 km²
TYPE OF FLOW: REGULATED SINCE 1973
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1978 MAY 29	12:00E		1 270 H	21	188														
1978 JUL 18	12:00E		1 180 H	24	220														
1978 AUG 23	12:00E		1 330 H	14	216														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

RAT RIVER BELOW NOTIGI CONTROL STRUCTURE - STATION NO. 05TF003

LOCATION: LAT 55 51 37 N LONG 098 17 34 W
DRAINAGE AREA: 6 080 km²
TYPE OF FLOW: REGULATED SINCE 1976
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 JUN 07	11:52	15.5		11	100														
1972 JUN 07	11:56	15.5		10	98														
1972 JUN 07	12:00	15.6		9	94														
1972 JUL 18	11:24	18.7		18	118														
1972 JUL 18	11:28	18.7		15	98														
1972 JUL 18	11:32	18.7		13	107														
1972 SEP 07	13:22	11.7		4	113														
1972 SEP 07	13:24	11.7		4	93														
1972 SEP 07	13:28	11.7		9	98														
1976 MAY 19	12:00E			18	88														
1976 JUN 12	12:00E			7 R	85 R														
1976 JUL 04	12:00E			5	54														
1976 AUG 29	12:00E			9 R	88 R														
1979 JUL 18	12:00E	16.0		11 R	97 R														
1981 JUN 02	12:00E	8.0		10	74														
1981 JUN 13	12:00E	9.0		9 R	88 R														

TIME SYMBOL: E - ESTIMATED

CONCENTRATION SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

MANITOBA

RED RIVER AT SELKIRK - STATION NO. 05OJ005

LOCATION: LAT 50 08 30 N LONG 096 52 05 W
DRAINAGE AREA: km^2
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1974 APR 22	12:00E	1.7		782																
1974 APR 23	12:00E			887																
1974 APR 25	12:00E			713																
1974 APR 26	12:00E	4.9		620																
1974 MAY 01	12:00E			328																
1974 MAY 03	12:00E	8.8		292																
1974 MAY 08	12:00E	10.0		246																
1974 MAY 10	12:00E	10.5		280																
1974 MAY 13	12:00E	10.0		204																
1974 MAY 16	12:00E	10.0		203																
1974 MAY 21	16:00	13.0		432	K		59	68	79	88	91	95	98	100				5	27	68
1974 MAY 24	12:00E	12.2		484																
1974 JUN 04	12:00E	17.8		158																

TIME SYMBOL: E - ESTIMATED

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

SEINE RIVER DIVERSION NEAR ST. ADOLPHE - STATION NO. 05OE013

LOCATION: LAT 49 41 50 N LONG 097 05 30 W
DRAINAGE AREA: km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 MAR 30	12:00E			11															
1972 MAR 31	12:00E			7															
1972 APR 16	12:00E	0.5		226															
1972 APR 17	10:30	0.6	32.0 H	832 K				10	15	21	29	39	58	82	96	99	100	44	41	15
1972 APR 18	12:00E	1.0		282															
1972 APR 19	12:00E	3.8		212															
1972 APR 20	12:00E	5.4		139															
1972 APR 21	12:00E	5.3		112															
1972 APR 22	12:00E	5.4		95															
1972 APR 23	12:00E	5.5		93															
1972 APR 24	12:00E	5.4		80															
1972 APR 25	12:00E	5.8		75															
1972 APR 26	12:00E	2.5		80	288														
1972 APR 27	12:00E	1.2		89	273														
1972 APR 28	12:00E	1.3		63	283														
1972 APR 29	12:00E	12.7		62															
1972 APR 30	12:00E	11.4		58															
1972 MAY 14	12:00E	15.5		33															
1972 MAY 15	12:00E	15.9		36	304														
1972 MAY 16	12:00E	15.7		31															
1972 MAY 17	12:00E	16.7		48	305														
1972 MAY 18	12:00E	19.4		40															
1972 MAY 19	12:00E	20.0		52															
1972 MAY 20	12:00E	16.2		35															
1972 MAY 21	12:00E	18.2		34															
1972 MAY 22	12:00E	20.4		41															
1972 MAY 23	12:00E	20.5		72															
1972 MAY 24	12:00E	20.8		33	341														
1972 MAY 25	12:00E	20.0		77															
1972 MAY 26	12:00E	19.6		36															
1972 MAY 27	12:00E	20.2		57															
1972 MAY 28	12:00E	18.0		32															
1972 MAY 29	12:00E	20.4		26															
1972 MAY 30	12:00E	18.5		39															
1972 MAY 31	12:00E	20.0		54															
1972 JUN 12	12:00E	20.5		26															
1972 AUG 23	12:00E			49															
1972 AUG 24	12:00E			48															
1972 AUG 25	12:00E			54															
1972 AUG 26	12:00E			59															
1972 AUG 30	12:00E			41															
1972 OCT 02	12:00E			43															
1972 OCT 04	12:00E			38															
1972 OCT 07	12:00E			37															
1972 OCT 09	12:00E			90															
1972 OCT 11	12:00E			38															
1972 OCT 14	12:00E			28															
1972 OCT 16	12:00E			25															
1979 APR 16	12:00E	0.5	0.829 W	254	178														
1979 APR 21	12:00E	2.0	94.2 H	1 230	221														
1979 APR 28	12:00E	7.0	19.6 H	178 R	267 R														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN, ICE CONDITIONS

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL R - SAMPLES COLLECTED IN SEVERAL VERTICALS

DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

MANITOBA

SEINE RIVER DIVERSION NEAR STE. ANNE - STATION NO. 05DH005

LOCATION: LAT 49 39 10 N LONG 096 39 10 W
DRAINAGE AREA: km^2
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 MAR 28	12:00E	0.1		35	232														
1972 MAR 29	12:00E	0.1		30	223														
1972 MAR 30	12:00E	0.1		14 K	237 K														
1972 MAR 31	12:00E	0.1		13 K	253 K														
1972 APR 01	12:00E	0.1		12 K	251 K														
1972 APR 02	12:00E	0.1		13 K	247 K														
1972 APR 03	12:00E	0.1		11 K	265 K														
1972 APR 11	12:00E	0.1		191 K	201 K														
1972 APR 12	12:00E	0.5		189 K	185 K														
1972 APR 13	12:00E	1.0		484 K	182 K														
1972 APR 14	12:00E	1.0		516 K	187 K														
1972 APR 15	09:40	1.0	13.7 H	1 310 K	171 K	47	57	69	77	83	88	93	97	99			12	31	57
1972 APR 16	12:00E	1.5		2 480 K	170 K														
1972 APR 17	12:00E	2.8		1 870 K	162 K														
1972 APR 18	17:50	4.0	14.6 H	1 580 K	160 K	56	67	80	89	94	96	99	100				4	29	67
1972 APR 19	12:00E	4.2		1 690 K	195 K														
1972 APR 20	12:00E	5.3		1 440 K	202 K														
1972 APR 21	13:30	8.0	9.74 H	1 040 K	208 K	69	79	89	95	97	99	100					1	20	79
1972 APR 25	12:00E	10.0		385 K	243 K														
1972 APR 26	12:00E	11.0		161 K	237 K														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

DISSOLVED SOLIDS SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

SOURIS RIVER NEAR WESTHOPE - STATION NO. 05NF012

LOCATION: LAT 48 59 47 N LONG 100 57 29 W
DRAINAGE AREA: 42 800 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: MANUAL

INTERNATIONAL GAUGING STATION

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1956 AUG 11	12:00E		8.26	H	18															
1956 AUG 14	12:00E		3.74	H	12															
1956 SEP 09	12:00E		3.85	H	48															
1956 OCT 16	12:00E		2.55	H	42															
1956 NOV 06	12:00E		8.52	H	181															
1956 DEC 04	12:00E		1.59	H	80															
1957 JAN 09	12:00E		1.42	W	217															
1957 FEB 07	12:00E		0.793	W	225															
1957 MAR 07	12:00E		1.13	W	144															
1957 MAR 28	12:00E		0.388	H	19															
1957 APR 05	12:00E		0.538	H	27															
1957 APR 18	12:00E		0.340	H	36															
1957 APR 23	12:00E		0.793	H	69															
1957 MAY 07	12:00E		8.80	H	24															
1957 MAY 22	12:00E		1.30	H	109															
1957 JUN 11	12:00E		3.82	H	29															
1957 JUN 12	12:00E		5.64	H	52															
1957 JUL 12	12:00E		1.44	H	18															
1957 AUG 07	12:00E		0.785	H	45															
1957 SEP 04	12:00E		0.651	H	122															
1958 APR 17	12:00E		0.193	H	43															
1958 MAY 08	12:00E		0.283	H	36															
1958 JUN 11	12:00E		2.97	H	80															
1958 JUL 10	12:00E		0.963	H	47															
1958 AUG 13	12:00E		0.793	H	32															
1958 SEP 04	12:00E		0.736	H	23															
1958 SEP 18	12:00E		0.510	H	40															
1958 SEP 24	12:00E		0.510	H	46															
1958 OCT 02	12:00E		0.595	H	59															
1958 OCT 05	12:00E		0.566	H	46															
1958 OCT 28	12:00E		0.193	H	67															
1959 APR 20	12:00E		0.008	H	80															
1959 MAY 21	12:00E		0.011	H	26															
1959 JUN 08	12:00E		0.453	H	20															
1959 JUN 17	12:00E		0.283	H	81															
1959 JUN 30	12:00E		0.595	H	58															
1959 JUL 15	12:00E		0.708	H	41															
1959 JUL 23	12:00E		0.708	H	37															
1959 JUL 28	12:00E		0.708	H	11															
1959 AUG 12	12:00E		0.510	H	19															
1959 AUG 27	12:00E		0.510	H	8															
1974 OCT 17	12:00E	7.5	0.765	H	22															
1974 NOV 20	12:00E	1.5	5.71	H	8															
1974 DEC 18	12:00E	1.0	0.566	H	36															
1975 JAN 08	12:00E	0.5	0.623	H	31															
1975 JAN 22	12:00E	0.1	0.623	H	18															
1975 FEB 20	12:00E	0.5	0.680	H	316															
1975 MAR 18	12:00E	1.0	0.878	H	136															
1975 APR 15	12:00E	0.5	4.25	W	173															
1975 MAY 13	12:00E	15.5	162	H	17															
1975 JUN 12	12:00E	17.5	130	H	18															
1975 JUL 22	12:00E	25.0	38.4	H	23															
1975 AUG 22	12:00E		1.93	H	17															
1975 SEP 18	12:00E	17.5	0.651	H	38															
1975 OCT 15	12:00E	4.0	11.9	H	30															
1975 NOV 12	12:00E	0.1	3.85	H	47															
1975 DEC 23	12:00E	0.1	5.81	H	11															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS

WHITEMUD RIVER AT WESTBOURNE - STATION NO. 05LL002

LOCATION: LAT 50 08 03 N LONG 098 35 00 W
DRAINAGE AREA: 6 340 km²
TYPE OF FLOW: REGULATED SINCE 1960
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 SEP 21	12:00E	9.0		42	517														
1971 OCT 27	12:00E	8.0		41	511														

TIME SYMBOL: E - ESTIMATED

WHITEMUD RIVER NEAR KEYES - STATION NO. 05LL005

LOCATION: LAT 50 11 15 N LONG 099 06 10 W
DRAINAGE AREA: 1 750 km²
TYPE OF FLOW: REGULATED SINCE 1980
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 SEP 21	12:00E	8.5	0.272 H	14	697														
1971 OCT 28	12:00E	1.5	2.40 H	1	599														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

WHITEMUD RIVER NEAR WOODSIDE - STATION NO. 05LL006

LOCATION: LAT 50 09 16 N LONG 098 41 51 W
DRAINAGE AREA: 5 230 km²
TYPE OF FLOW: REGULATED SINCE 1980
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 SEP 21	11:13	8.5		27	511														
1971 SEP 21	11:15	8.5		26															
1971 OCT 27	12:10	5.0		36	499														

WINNIPEG RIVER HEAD WATER SEVEN SISTERS POWER PLANT - STATION NO. 05PF057

LOCATION: LAT 50 07 10 N LONG 096 00 50 W
DRAINAGE AREA: km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1977 APR 08	12:00E	1.0		6															
1977 APR 25	12:00E	2.0		11															

TIME SYMBOL: E - ESTIMATED

CHURCHILL RIVER ABOVE UPPER MUSKRAT FALLS - STATION NO. 030E001

LOCATION: LAT 53 14 52 N LONG 060 47 21 W
DRAINAGE AREA: 92 500 km²
TYPE OF FLOW: REGULATED SINCE 1971
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1957 JUL 25	12:00E			24	35														

TIME SYMBOL: E - ESTIMATED

HIGHLANDS RIVER AT TRANS-CANADA HIGHWAY - STATION NO. 022A002

LOCATION: LAT 48 05 33 N LONG 058 47 04 W
DRAINAGE AREA: 72.0 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1981 AUG 20	12:00E	14.5		2															
1981 AUG 26	12:00E	17.5		5															
1981 SEP 02	12:00E	20.1		11															
1981 SEP 03	12:00E	19.5		12															
1981 SEP 10	12:00E	16.5		13															
1981 SEP 16	12:00E	15.0		13															
1981 SEP 24	12:00E	10.5		7															
1981 SEP 30	12:00E	6.8		12															
1981 OCT 07	12:00E	8.5		23															
1981 OCT 14	12:00E	4.0		22															
1981 OCT 21	12:00E	6.0		9															
1981 OCT 22	12:00E	7.5		3															
1981 OCT 28	12:00E	8.5		8															
1981 NOV 04	12:00E	2.0		16															
1981 NOV 11	12:00E	3.0		7															
1981 NOV 19	12:00E	4.5		7															
1981 NOV 25	12:00E	1.5		12															
1981 DEC 02	12:00E	0.5		13															
1981 DEC 09	12:00E	0.7		8															
1981 DEC 16	12:00E	2.0		41															
1981 DEC 23	12:00E	1.0		13															
1981 DEC 30	12:00E	0.1		4															

TIME SYMBOL: E - ESTIMATED

ABBOTT RIVER ABOVE MIDSHIPMAN BAY - STATION NO. 10VC011

LOCATION: LAT 75 14 00 N LONG 095 41 00 W
DRAINAGE AREA: 191 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JUL 01	12:00E				14															

TIME SYMBOL: E - ESTIMATED

ALLEN RIVER NEAR THE MOUTH - STATION NO. 10VC001

LOCATION: LAT 74 50 48 N LONG 085 03 31 W
DRAINAGE AREA: 448 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JUL 04	12:00E		11.8	H	16															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN

ARCTIC RED RIVER NEAR THE MOUTH - STATION NO. 10LA002

LOCATION: LAT 66 47 19 N LONG 133 04 48 W
DRAINAGE AREA: 18 600 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 JUN 16	20:30	15.0	820		1 870 R	159 R	34	43	61	77	87	93	98	100				7	59	43
1972 JUL 13	12:00E	18.0	166	H	729	195														
1972 JUL 22	11:05	16.0	289		358 R	226 R	21	27	42	59	78	90	98	100				10	63	27
1972 AUG 15	12:00E	14.5	209	H	107	201														
1972 AUG 29	12:00E	12.0	229	H	104 R	218 R														
1972 SEP 08	12:00E	8.0	190	H	208	260														
1972 SEP 21	12:00E	2.0	237	H	114 R	188 R														
1975 JUN 07	17:50		1 080	H	4 370 K	185	20	28	40	58	80	95	99	100				5	69	26
1975 JUN 20	12:00E	13.0	558	H	1 480	176														
1975 JUN 24	14:15	15.0	413	H	832 K	195	38	50	73	90	97	99	100					1	49	50
1975 JUL 08	12:00E		430	H	486	183														
1975 JUL 28	12:00E	15.0	247	Y	141	223														
1975 JUL 29	12:00E	14.0	244	Y	118	226														
1975 AUG 14	12:00E	13.0			101	246														
1975 SEP 02	12:00E	12.0	266	Y	224	212														
1975 SEP 06	12:00E	10.0	256	Y	133 R	230 R														
1975 SEP 23	12:00E	8.0	261	H	210	234														
1975 OCT 08	12:00E	2.0	139	W	93	789														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS
Y - DAILY MEAN, ESTIMATED
CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL R - SAMPLES COLLECTED IN SEVERAL VERTICALS
DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

ARCTIC RED RIVER NEAR THE MOUTH - STATION NO. 10LA002

BED MATERIAL PARTICLE-SIZE ANALYSIS

DATE	TIME	INSTANT. DISCHARGE (m^3/s)		NUMBER OF SAMPLING POINTS	TYPE OF SAMPLER	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	4.00	8.00	16.00	32.00	64.00
1972 JUL 22	11:00	269		5	BM54					1	8	50	88	97	99	100				
1972 SEP 21	13:30	236		5	BM54						3	40	87	97	99	99	100			
1975 JUL 29	18:40	244	H	7	CLAMP			22	32	48	59	80	100							

DISCHARGE SYMBOL(S): H - DAILY MEAN

ASTON RIVER ABOVE ASTON BAY - STATION NO. 10TM001

LOCATION: LAT 73 30 00 N LONG 084 08 00 W
DRAINAGE AREA: 981 km^2
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JUN 22	12:00E			28															

TIME SYMBOL: E - ESTIMATED

BACK RIVER ABOVE HERMANN RIVER - STATION NO. 10RC001

LOCATION: LAT 68 05 10 N LONG 096 30 15 W
DRAINAGE AREA: 93 800 km^2
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 JUL 22	19:30	5.7		7	21														
1972 JUL 22	19:31E	5.7		5	21														

TIME SYMBOL: E - ESTIMATED

CALEDONIAN RIVER ABOVE BRACEBRIDGE INLET - STATION NO. 10YC003

LOCATION: LAT 75 37 00 N LONG 093 35 00 W
DRAINAGE AREA: 246 km^2
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JUL 02	12:00E			18															

TIME SYMBOL: E - ESTIMATED

CUNNINGHAM RIVER ABOVE CUNNINGHAM INLET - STATION NO. 10TM002

LOCATION: LAT 73 51 00 N LONG 083 28 00 W
DRAINAGE AREA: 1 810 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JUN 22	12:00E			28															

TIME SYMBOL. E - ESTIMATED

DUBAWNT RIVER AT OUTLET OF MARJORIE LAKE - STATION NO. 08KC003

LOCATION: LAT 64 13 52 N LONG 099 28 37 W
DRAINAGE AREA: 67 300 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 JUL 09	19:50	3.9		1	17														
1972 JUL 09	19:51	3.9		3	20														

ELEANOR RIVER ABOVE ELEANOR LAKE - STATION NO. 10VC010

LOCATION: LAT 75 20 00 N LONG 084 13 00 W
DRAINAGE AREA: 656 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JUN 30	12:00E			20															

TIME SYMBOL. E - ESTIMATED

FLAT RIVER NEAR THE MOUTH - STATION NO. 10EA003

LOCATION: LAT 61 31 52 N LONG 125 24 26 W
DRAINAGE AREA: 8 560 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1978 JUN 28	12:00E	3.0	192	H	52															
1978 JUL 20	12:00E	12.0	196	H	82															
1978 AUG 21	12:00E	10.0	170	H	32															
1978 OCT 04	12:00E	3.0	71.9	H	8															
1979 JUN 02	11:00	8.0	302	H	265	K 126	25	35	55	73	82	89	94	98	100			11	54	35
1979 JUL 10	12:00E	13.0	213	H	75	118														
1979 AUG 18	12:00E		135	H	25	148														
1979 SEP 14	12:00E	8.0	128	V	23	151														
1980 MAY 15	12:00E	9.0	223	H	241	115														
1980 AUG 30	12:00E	8.0	83.8	V	29	144														
1980 OCT 08	12:00E	5.0	141	V	48	164														
1981 JUN 17	12:00E	9.0	288	H	101	125														
1981 JUL 05	12:00E		134	H	20	140														
1981 SEP 21	12:00E	8.0	78.4	H	8	160														
1982 JUN 07	12:00E	8.0	218	V	128	145														
1982 JUL 22	12:00E	13.0	98.7	V	24	137														
1982 SEP 03	12:00E	10.0	76.4	H	10	166														
1982 SEP 23	12:00E	5.0	55.7	H	5	180														
1983 MAY 13	12:00E	4.0	151	V	152	126														
1983 JUN 30	12:00E	8.0	184	V	55	114														
1983 JUL 12	12:00E	11.0	95.5	H	22	140														
1983 AUG 18	12:00E	10.0	137	H	45	146														
1983 SEP 29	12:00E	1.0	50.8	H	10	193														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE
CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

HARRIS RIVER NEAR THE MOUTH - STATION NO. 10CC002

LOCATION: LAT 61 52 41 N LONG 121 17 26 W
DRAINAGE AREA: 701 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 JUL 05	12:00E		0.552	V	2															
1972 JUL 10	12:00E				2															
1972 JUL 14	12:00E				3															
1972 JUL 20	12:00E		0.017	V	0															
1972 AUG 10	12:00E		0.037	V	1															
1975 MAY 13	12:00E	8.0	13.1	H	21															
1975 JUL 10	12:00E		0.181	Y	72															
1975 JUL 14	12:00E	27.0	0.110	Y	8															
1975 JUL 23	12:00E	24.0	0.040	V	5															
1975 AUG 05	12:00E		0.048	H	3															
1975 AUG 11	12:00E	17.0	0.311	H	4															
1975 AUG 18	12:00E	18.0	0.078	H	3															
1975 SEP 17	12:00E	11.0	0.125	H	3															
1975 SEP 23	12:00E		0.188	H	4															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE Y - DAILY MEAN, ESTIMATED

NORTHWEST TERRITORIES

HAY RIVER NEAR HAY RIVER - STATION NO. 07OB001

LOCATION: LAT 60 44 45 N LONG 115 51 20 W
DRAINAGE AREA: 47 900 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1977 APR 27	12:00E	1.0	530	W	539															
1977 APR 28	12:00E	0.1	459	W	574															
1977 MAY 05	12:00E	2.0	283	H	159															
1977 JUN 08	12:00E	10.0	714	H	349															
1977 JUN 28	12:00E	14.0	837	H	116															
1977 SEP 20	12:00E	10.0	196	H	34															
1978 MAY 08	12:00E		646	V	971															
1978 MAY 23	12:00E		232	H	110															
1978 JUL 11	12:00E	19.0	138	H	81															
1978 SEP 26	12:00E		211	H	79															
1979 MAY 15	12:00E	3.0	620	W	529	142														
1979 JUN 07	12:00E	12.0	1 090	H	544	199														
1979 AUG 23	12:00E	18.0	157	H	39	243														
1979 OCT 12	12:00E	8.0	114	H	28	298														
1980 APR 30	12:00E	4.0	92.0	V	64	204														
1980 MAY 26	12:00E	10.0	22.8	H	7	264														
1980 AUG 13	12:00E	15.0	30.8	H	18	247														
1980 SEP 18	12:00E	8.0	19.1	H	10	233														
1980 OCT 23	12:00E	1.0	28.6	H	13	202														
1981 MAY 07	11:35	2.0	728		1 510 K	171	23	33	45	68	90	97	99	100				3	84	32
1981 MAY 28	12:00E	6.0	180	H	104	243														
1981 JUL 15	12:00E	23.0	41.0	H	13	286														
1981 SEP 22	12:00E	7.0	4.69	H	1	357														
1982 MAY 12	09:45	3.0	510		884 K	217	37	44	65	87	95	97	99	100				3	53	44
1982 JUN 04	12:00E	3.0	245	H	111	272														
1982 AUG 25	12:00E	10.0	26.7	V	8	336														
1982 OCT 07	12:00E	6.0	17.4	H	3	300														
1983 APR 26	12:00E	0.1	151	W	184	317														
1983 MAY 05	09:45	2.0	393		445 K	201	40	51	68	89	95	97	99	100				3	48	51
1983 MAY 26	12:00E	10.0	346	H	112	239														
1983 JUL 06	12:00E	20.0	118	H	58	282														
1983 SEP 07	12:00E	11.0	34.8	H	8	253														
1983 SEP 26	12:00E	6.0	32.5	H	9	249														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE W - DAILY MEAN, ICE CONDITIONS

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

HAYES RIVER ABOVE CHANTREY INLET - STATION NO. 10SB001

LOCATION: LAT 67 32 00 N LONG 094 08 53 W
DRAINAGE AREA: 18 100 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 JUL 22	13:40	8.9		3	18														
1972 JUL 22	13:41E	8.9		3	25														

TIME SYMBOL: E - ESTIMATED

JEAN RIVER BELOW SLAVE RIVER - STATION NO. 07NC001

LOCATION: LAT 61 14 55 N LONG 113 19 50 W
DRAINAGE AREA: km²
TYPE OF FLOW: REGULATED SINCE 1968
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1978 AUG 08	12:00E	18.0			89															
1979 JUL 03	12:00E	20.0			470	139														
1979 AUG 16	12:00E	14.0			112	141														
1979 OCT 02	12:00E				95	142														
1980 MAY 14	12:00E	10.0	33.6	H	104	135														
1980 AUG 18	12:00E	18.0	36.4	H	88	178														
1980 OCT 07	12:00E	6.0	42.8	Y	147	167														

TIME SYMBOL E - ESTIMATED

DISCHARGE SYMBOL(S) H - DAILY MEAN Y - DAILY MEAN, ESTIMATED

KAKISA RIVER AT OUTLET OF KAKISA LAKE - STATION NO. 07UC001

LOCATION LAT 60 56 25 N LONG 117 25 18 W
DRAINAGE AREA 15 600 km²
TYPE OF FLOW NATURAL
TYPE OF GAUGE RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP (°C)	INSTANT DISCHARGE (m³/s)		INSTANT CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 JUL 19	12:00E	19.5	83.7	H	7															
1972 AUG 10	12:00E	15.0	42.8	H	9															

TIME SYMBOL E - ESTIMATED

DISCHARGE SYMBOL(S) H - DAILY MEAN

KAZAN RIVER ABOVE KAZAN FALLS - STATION NO. 08LC001

LOCATION: LAT 63 39 10 N LONG 095 51 19 W
DRAINAGE AREA 70 000 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 JUL 19	10:15	5.6			4	25														
1972 JUL 19	10:15E	5.6			0	30														

TIME SYMBOL: E - ESTIMATED

NORTHWEST TERRITORIES

KAZAN RIVER AT OUTLET OF ENNADAI LAKE - STATION NO. 08LA001

LOCATION: LAT 61 15 13 N LONG 100 58 28 W
DRAINAGE AREA: 21 400 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 JUL 06	11:55	4.0		7	33														
1972 JUL 06	11:55E	4.0		0	45														

TIME SYMBOL: E - ESTIMATED

LANG RIVER ABOVE PRINCE REGENT INLET - STATION NO. 10TN001

LOCATION: LAT 72 17 00 N LONG 094 12 00 W
DRAINAGE AREA: 134 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JUN 23	12:00E			23															

TIME SYMBOL: E - ESTIMATED

LIARD RIVER NEAR THE MOUTH - STATION NO. 10ED002

LOCATION: LAT 61 44 50 N LONG 121 13 25 W
DRAINAGE AREA: 277 000 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 JUN 28	14:00	13.0	8 720	H	878	K		28	35	50	55	81	91	97	100				9	56	35
1972 JUL 10	12:00E	18.0	5 010	H	241																
1972 JUL 14	12:00E	16.5	4 260	H	186																
1972 JUL 27	15:30	13.0	8 210		1 850	R		21	28	41	58	70	84	94	98	99	100		16	55	28
1972 JUL 27	18:30		8 180	H	1 180	K		22	27	40	54	71	84	94	98	100			18	57	27
1972 AUG 02	14:30		6 310	H	841	K		27	33	48	61	74	86	97	100				14	53	33
1972 SEP 15	12:00E		2 080	H	73																
1975 JUL 09	12:00E	18.0	7 700	H	795																
1975 AUG 05	12:00E	14.0	4 930	H	412																
1975 AUG 13	12:00E	14.0	5 830	H	427																
1975 AUG 18	12:00E	17.0	3 790	H	198																
1975 SEP 02	12:00E	15.0	3 080	H	125																
1975 SEP 11	12:00E	11.0	2 340	H	72																
1975 SEP 17	12:00E	11.0	2 290	H	61																
1975 SEP 23	12:00E	11.0	2 220	H	54																
1975 SEP 29	12:00E	8.0	1 930	H	37																

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL R - SAMPLES COLLECTED IN SEVERAL VERTICALS

LORD LINDSAY RIVER ABOVE SANAGAK LAKE - STATION NO. 10SA002

LOCATION: LAT 70 13 00 N LONG 093 57 00 W
DRAINAGE AREA: 1 440 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JUN 26	12:00E			10															

TIME SYMBOL: E - ESTIMATED

LORD LINDSAY RIVER ABOVE WESTERN TRIBUTARY - STATION NO. 10SA003

LOCATION: LAT 70 29 00 N LONG 094 28 00 W
DRAINAGE AREA: 717 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JUN 26	12:00E			7															

TIME SYMBOL: E - ESTIMATED

MACKENZIE RIVER (AKLAVIK CHANNEL) ABOVE SCHOONER CHANNEL - STATION NO. 10MC005

LOCATION: LAT 68 15 10 N LONG 134 48 00 W
DRAINAGE AREA: km²
TYPE OF FLOW: REGULATED SINCE 1968
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JUN 17	19:15	11.0	1 040	M	378 K		43	58	77	93	98	99	100							
1975 JUN 23	11:20	15.0	827	M	263 K		35	45	57	82	89	92	98	99	100			1	43	56
1975 JUL 17	12:00E	21.0	885	V	474													3	47	45
1975 AUG 12	12:00E	13.0	566	V	115															
1975 AUG 20	12:00E	15.0	589	M	304															
1975 SEP 11	12:00E	7.0	428	M	36															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): M - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

MACKENZIE RIVER (AKLAVIK CHANNEL) ABOVE SCHOONER CHANNEL - STATION NO. 10MC005

BED MATERIAL PARTICLE-SIZE ANALYSIS

DATE	TIME	INSTANT. DISCHARGE (m³/s)	NUMBER OF SAMPLING POINTS	TYPE OF SAMPLER	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	4.00	8.00	16.00	32.00	64.00
1975 JUL 17	15:55	688	6	CLAMP	20	30	49	81	100										

NORTHWEST TERRITORIES

MACKENZIE RIVER (EAST CHANNEL) AT INUVIK - STATION NO. 10LC002

LOCATION: LAT 68 22 33 N LONG 133 45 46 W
DRAINAGE AREA: km²
TYPE OF FLOW: REGULATED SINCE 1968
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1977 JUL 06	12:00E	13.0	374	H	153															
1977 JUL 25	12:00E	14.0	227	H	50															
1977 AUG 05	12:00E	19.0	254	H	282															
1977 AUG 18	12:00E	17.0	169	H	50															
1977 AUG 31	12:00E	11.0	186	H	40															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN

MACKENZIE RIVER (KALINEK CHANNEL) ABOVE ONIAK CHANNEL - STATION NO. 10LC005

LOCATION: LAT 68 23 50 N LONG 133 59 00 W
DRAINAGE AREA: km²
TYPE OF FLOW: REGULATED SINCE 1968
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JUN 12	12:00E		1 100	H	250															
1975 JUN 23	12:00E	16.0	852	H	117															
1975 AUG 12	12:00E	13.0	377	V	81															
1975 AUG 20	12:00E	14.0	398	V	218															
1975 SEP 05	12:00E	10.0	283	V	42															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE Y - DAILY MEAN; ESTIMATED

MACKENZIE RIVER (KALINEK CHANNEL) ABOVE ONIAK CHANNEL - STATION NO. 10LC005

BED MATERIAL PARTICLE-SIZE ANALYSIS

DATE	TIME	INSTANT. DISCHARGE (m³/s)		NUMBER OF SAMPLING POINTS	TYPE OF SAMPLER	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	4.00	8.00	16.00	32.00	64.00
1975 AUG 12	12:30	377	H	7	CLAMP			44	55	83	90	93	100							

DISCHARGE SYMBOL(S): H - DAILY MEAN

MACKENZIE RIVER (MIDDLE CHANNEL) ABOVE NAPOIAK CHANNEL - STATION NO. 10LC008

LOCATION: LAT 68 26 00 N LONG 134 08 50 W
DRAINAGE AREA: km²
TYPE OF FLOW: REGULATED SINCE 1968
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JUN 13	12:15		24 800	H	926 K		22	31	42	55	87	77	91	97	100			23	46	31
1975 JUN 17	12:00E		21 800	H	741															
1975 JUN 23	09:40	16.0	16 500	H	365 K		27	33	48	53	78	85	95	100				14	53	33
1975 JUL 18	12:00E	21.0	13 900	H	492															
1975 AUG 12	12:00E	13.0	13 200	H	184															
1975 AUG 20	11:00	13.0	12 700	H	817 K		37	47	84	78	87	95	97	98	98	99	100	5	48	47
1975 SEP 05	12:00E	12.0	11 000	H	204															
1975 SEP 11	12:00E	7.0	10 000	H	91															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

MACKENZIE RIVER (MIDDLE CHANNEL) ABOVE NAPOIAK CHANNEL - STATION NO. 10LC008

BED MATERIAL PARTICLE-SIZE ANALYSIS

DATE	TIME	INSTANT. DISCHARGE (m³/s)		NUMBER OF SAMPLING POINTS	TYPE OF SAMPLER	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	4.00	8.00	16.00	32.00	64.00
1975 JUL 18	12:00E	13 900	H	7	CLAMP	9	14	24	59	100										

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

MACKENZIE RIVER (PEEL CHANNEL) ABOVE AKLAVIK - STATION NO. 10MC003

LOCATION: LAT 68 12 50 N LONG 135 05 50 W
DRAINAGE AREA: km²
TYPE OF FLOW: REGULATED SINCE 1968
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JUN 17	16:40	11.0	1 500	H	597 K		22	35	51	72	91	98	100					1	64	35
1975 JUN 23	14:00	16.0	1 210	H	317 K		25	36	55	76	91	99	100					1	63	36
1975 JUL 17	12:00E	21.0	864	V	183															
1975 AUG 13	12:00E	12.0	733	H	71															
1975 AUG 20	12:00E	13.0	742	H	82															
1975 SEP 11	12:00E	7.0	575	H	39															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

MACKENZIE RIVER (PEEL CHANNEL) ABOVE AKLAVIK - STATION NO. 10MC003

BED MATERIAL PARTICLE-SIZE ANALYSIS

DATE	TIME	INSTANT. DISCHARGE (m³/s)	NUMBER OF SAMPLING POINTS	TYPE OF SAMPLER	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	4.00	8.00	16.00	32.00	64.00
1975 JUL 17	20:00	895	7	CLAMP	48	84	77	90	99	100									

MACKENZIE RIVER (WEST CHANNEL) BELOW AKLAVIK CHANNEL - STATION NO. 10MC004

LOCATION: LAT 68 15 30 N LONG 135 03 00 W
DRAINAGE AREA: km²
TYPE OF FLOW: REGULATED SINCE 1968
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JUN 17	17:40	11.0	2 830	H	480 K		38	48	65	84	95	98	99	100				2	50	48
1975 JUN 23	12:00E	15.0	2 180	H	235															
1975 AUG 12	12:00E	12.0	1 220	V	82															
1975 AUG 20	12:00E	14.0	1 230	V	197															
1975 SEP 11	12:00E	7.0	932	H	38															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE Y - DAILY MEAN, ESTIMATED

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

MACKENZIE RIVER (WEST CHANNEL) BELOW AKLAVIK CHANNEL - STATION NO. 10MC004

BED MATERIAL PARTICLE-SIZE ANALYSIS

DATE	TIME	INSTANT. DISCHARGE (m³/s)	NUMBER OF SAMPLING POINTS	TYPE OF SAMPLER	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	4.00	8.00	16.00	32.00	64.00
1975 AUG 12	18:30	1 220	7	CLAMP	28	38	60	78	94	100									

MACKENZIE RIVER ABOVE ARCTIC RED RIVER - STATION NO. 10LA003

LOCATION: LAT 67 21 30 N LONG 133 33 30 W
DRAINAGE AREA: 1 660 000 km²
TYPE OF FLOW: REGULATED SINCE 1968
TYPE OF GAUGE: RECORDING

REMARKS: STATION RELOCATED TO 10LC014

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 JUL 13	16:30	16.0	17 200		295 R	148 R	24	31	41	55	69	83	92	97	99	100		17	52	31
1972 AUG 15	09:00	18.0	15 600	H	378 K	154	18	23	32	45	59	73	85	92	98	88		27	50	23
1972 SEP 08	12:00E	6.5	12 200	H	223	168														
1975 JUN 07	18:00		25 000	H	359 K	156 R	20	30	45	60	75	90	94	98	98	99	100	10	60	30
1975 JUN 24	12:00E	15.0	19 300	V	213	167														
1975 JUL 08	12:00E		27 200		2 140 K	166	39	46	82	79	92	98	100					2	52	46
1975 JUL 29	12:00E	17.0	17 200	V	217	149														
1975 AUG 14	12:00E	14.0	17 200	V	171	189														
1975 SEP 02	12:00E		12 100	H	84	184														
1975 SEP 18	12:00E	11.0	10 800	H	77	182														
1975 OCT 08	12:00E	4.0	10 300	H	44	250														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL R - SAMPLES COLLECTED IN SEVERAL VERTICALS

DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

MACKENZIE RIVER ABOVE ARCTIC RED RIVER - STATION NO. 10LA003

BED MATERIAL PARTICLE-SIZE ANALYSIS

DATE	TIME	INSTANT. DISCHARGE (m³/s)		NUMBER OF SAMPLING POINTS	TYPE OF SAMPLER	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	4.00	8.00	16.00	32.00	64.00
1972 JUL 13	16:30	17 200		4	BM54						1	42	88	100						
1975 JUL 29	16:20	17 200	H	7	CLAMP	3	6	13	33	63	85	86	88	88	88	94	100			

DISCHARGE SYMBOL(S): H - DAILY MEAN

MACKENZIE RIVER ABOVE LIARD RIVER - STATION NO. 10GC004

LOCATION: LAT 61 52 00 N LONG 121 20 00 W
DRAINAGE AREA: km²
TYPE OF FLOW: REGULATED SINCE 1968
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JUL 09	12:00E	21.0		24															
1975 AUG 05	12:00E	17.0		16															
1975 AUG 13	12:00E	18.0		16															
1975 AUG 18	12:00E	18.0		12															
1975 SEP 02	12:00E	16.0		16															
1975 SEP 11	12:00E	12.0		23															
1975 SEP 17	12:00E	12.0		17															
1975 SEP 23	12:00E	11.0		18															
1975 SEP 29	12:00E	9.0		15															

TIME SYMBOL: E - ESTIMATED

MACKENZIE RIVER AT NORMAN WELLS - STATION NO. 10KA001

LOCATION: LAT 65 16 21 N LONG 126 53 00 W
DRAINAGE AREA: 1 570 000 km²
TYPE OF FLOW: REGULATED SINCE 1968
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1973 JUN 05	17:10	9.0	20 500	H	513	K		19	25	37	53	72	90	98	100				10	65	25
1973 JUN 11	12:30	13.5	18 500	H	389	K		12	18	32	45	57	67	73	78	82	85	100	33	49	18
1973 JUN 29	22:30	12.0	20 200	H	443	K		18	23	33	48	63	77	90	96	99	99	100	23	54	23
1973 JUL 11	17:30	15.5	18 400	H	504	K		11	14	20	28	35	45	57	67	75	80	100	55	31	14
1973 AUG 10	18:20	18.5	13 500		263	K		19	27	39	47	56	68	82	90	94	96	100	32	41	27
1973 AUG 10	18:00	16.5	13 500		212	R		25	33	47	58	69	81	91	96	98	99	100	19	48	33
1973 OCT 05	12:00E	1.0	10 200	W	26																
1973 OCT 11	12:00E	0.5	8 630	W	30																

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL R - SAMPLES COLLECTED IN SEVERAL VERTICALS

MARSHALL RIVER ABOVE ASSISTANCE BAY - STATION NO. 10VC008

LOCATION: LAT 74 41 00 N LONG 094 12 00 W
DRAINAGE AREA: 105 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JUL 01	12:00E			15															

TIME SYMBOL: E - ESTIMATED

NORTHWEST TERRITORIES

MARTIN RIVER NEAR THE MOUTH - STATION NO. 10GC003

LOCATION: LAT 61 53 50 N LONG 121 36 27 W
DRAINAGE AREA: 2 050 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 MAY 04	12:00E		101	H	279															
1975 MAY 09	12:00E		75.3	H	156															
1975 MAY 13	12:00E		55.5	H	91															
1975 JUN 16	12:00E	15.0	18.5	H	18															
1975 JUL 10	12:00E	30.0	2.27	Y	157															
1975 AUG 05	12:00E	13.0	4.62	H	40															
1975 AUG 11	12:00E	14.0	22.0	H	34															
1975 AUG 18	12:00E	17.0	7.42	H	83															
1975 SEP 24	12:00E	8.0	3.23	H	6															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN Y - DAILY MEAN; ESTIMATED

NAGLE CHANNEL BELOW SLAVE RIVER - STATION NO. 07NC002

LOCATION: LAT 61 15 10 N LONG 113 30 30 W
DRAINAGE AREA: km²
TYPE OF FLOW: REGULATED SINCE 1968
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1978 AUG 09	12:00E	16.0			83															
1978 SEP 21	12:00E				122															
1979 JUL 03	12:00E	21.0			539	137														
1979 OCT 03	12:00E	5.0			104	128														
1980 MAY 15	12:00E	11.0	8.54	H	94	121														
1980 AUG 20	12:00E	19.0	14.0	H	73	178														
1980 OCT 07	12:00E	6.0	12.7	H	182	168														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN

DINGUO CREEK NEAR BAKER LAKE - STATION NO. 08MA002

LOCATION: LAT 64 15 24 N LONG 096 19 06 W
DRAINAGE AREA: 431 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 JUN 28	08:55	3.3		3	43														
1972 JUN 28	08:55E	3.3		1	45														

TIME SYMBOL: E - ESTIMATED

PEEL RIVER ABOVE FORT MCPHERSON - STATION NO. 10MC002

LOCATION: LAT 67 14 10 N LONG 134 54 28 W
DRAINAGE AREA: 70 600 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 JUL 18	10:25		504	H	216 K	200 R	34	41	55	68	74	87	98	100				13	46	41
1972 JUL 18	10:35		504	H	229 K	200 R	28	33	50	60	83	85	97	100				15	52	33
1972 SEP 08	12:00E		1 040	H	133 R	184 R														
1974 JUN 25	12:00E	13.3	1 070	H	85	151														
1974 JUN 28	12:00E	12.2	892	H	78	169														
1974 JUL 03	12:00E	10.0	1 500	H	3 340	146														
1974 JUL 04	12:00	7.8	1 300		428 R	154 R	28	37	57	79	89	91	96	99	100			9	54	37
1974 JUL 17	12:00E	15.6	915	H	186	188														
1974 AUG 24	13:00	4.4	2 640		739 R	157 R	18	27	34	49	67	85	96	99	100			15	58	27
1974 AUG 27	12:00E		1 980	H	210	164														
1974 AUG 28	12:00E		1 670	H	221	175														
1974 AUG 31	12:00E		1 570	H	219	184														
1974 SEP 03	13:00E		1 270	H	208	191														
1974 SEP 25	12:00E	6.7	648	H	87	212														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL R - SAMPLES COLLECTED IN SEVERAL VERTICALS

DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

PEEL RIVER ABOVE FORT MCPHERSON - STATION NO. 10MC002

BED MATERIAL PARTICLE-SIZE ANALYSIS

DATE	TIME	INSTANT. DISCHARGE (m³/s)		NUMBER OF SAMPLING POINTS	TYPE OF SAMPLER	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	4.00	8.00	16.00	32.00	64.00
1972 JUL 18	10:15	504		5	BMH4	8	10	18	45	73	95	99	100							
1974 SEP 25	14:50	648	H	7	CLAMP	9	12	20	34	60	87	94	95	95	97	98	99	100		

DISCHARGE SYMBOL(S): H - DAILY MEAN

QUDICH RIVER ABOVE ST. CLAIR FALLS - STATION NO. 09MB001

LOCATION: LAT 64 18 22 N LONG 093 55 02 W
DRAINAGE AREA: 30 100 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 JUL 20	17:35	7.8		3	18														
1972 JUL 20	17:35E	7.8		8	20														

TIME SYMBOL: E - ESTIMATED

REDSTONE RIVER NEAR THE MOUTH - STATION NO. 10HB001

LOCATION: LAT 64 10 56 N LONG 124 39 52 W
DRAINAGE AREA: 16 400 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1973 MAY 20	18:00	1.5	368		781 R		30	44	59	74	84	92	98	98	88	100		8	48	44
1973 MAY 20	18:10	1.5	357	H	768 K		30	42	58	72	83	91	97	99	100			9	49	42
1973 JUN 13	13:50	13.5	289	H	284 K		24	36	55	72	84	92	97	99	100			5	56	39
1973 JUN 13	14:00	13.5	289		270 R		29	38	54	72	86	94	97	99	100			6	56	38
1973 JUN 28	08:00	15.5	382	H	508 K		26	34	48	64	77	88	94	98	99	100		12	54	34

DISCHARGE SYMBOL(S): H - DAILY MEAN

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL R - SAMPLES COLLECTED IN SEVERAL VERTICALS

RENGLENG RIVER BELOW DEMPSTER HIGHWAY - STATION NO. 10LC003

LOCATION: LAT 67 45 22 N LONG 133 50 40 W
DRAINAGE AREA: 1 310 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1974 MAY 20	12:00E	1.1	1.91	W	107															
1974 MAY 30	12:00E	1.7	7.02	W	89															
1974 JUL 03	12:00E	8.7	2.51	H	5															
1974 JUL 10	12:00E	9.4	5.89	V	32															
1974 AUG 08	12:00E		0.875	H	7															
1974 AUG 16	12:00E	11.1	0.745	H	10															
1974 SEP 30	12:00E	0.8	0.714	W	9															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS

SLAVE RIVER (EAST CHANNEL) NEAR FORT RESOLUTION - STATION NO. 07NC008

LOCATION: LAT 61 17 55 N LONG 113 38 10 W
DRAINAGE AREA: km²
TYPE OF FLOW: REGULATED SINCE 1988
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1978 AUG 16	12:00E	17.0			40															
1978 SEP 21	12:00E				98															
1979 JUL 04	12:00E	21.0			354	133														
1979 AUG 15	12:00E	16.0			102	119														
1979 OCT 04	12:00E	4.0			85	126														
1980 MAY 14	12:00E	10.0	40.1	H	105	135														
1980 AUG 20	12:00E	19.0	33.8	H	94	173														
1980 OCT 08	12:00E	8.0	33.0	H	113	156														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

SLAVE RIVER (MIDDLE CHANNEL EAST) NEAR FORT RESOLUTION - STATION NO. 07NC007

LOCATION: LAT 61 17 25 N LONG 113 39 10 W
DRAINAGE AREA: km²
TYPE OF FLOW: REGULATED SINCE 1968
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1978 AUG 16	12:00E	17.0			47															
1978 SEP 21	12:00E				105															
1979 JUL 04	12:00E	21.0			401	96														
1979 AUG 15	12:00E	18.0			123	133														
1979 OCT 04	12:00E	4.0			89	135														
1980 MAY 14	12:00E	10.0	33.0	H	123	132														
1980 AUG 20	12:00E	18.0	24.1	H	52	176														
1980 OCT 08	12:00E	6.0	29.8	H	134	157														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN

SLAVE RIVER (MIDDLE CHANNEL WEST) NEAR FORT RESOLUTION - STATION NO. 07NC006

LOCATION: LAT 61 18 20 N LONG 113 40 00 W
DRAINAGE AREA: km²
TYPE OF FLOW: REGULATED SINCE 1968
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1978 AUG 16	12:00E	17.0			70															
1978 SEP 20	12:00E				117															
1979 JUL 04	12:00E	20.0			508	72														
1979 AUG 14	12:00E	16.0			154	133														
1979 OCT 03	12:00E	5.0			110	137														
1980 MAY 13	12:00E	11.0	148	H	152	138														
1980 AUG 19	12:00E	18.0	132	H	78	173														
1980 OCT 08	12:00E	5.0	178	H	177	182														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN

SLAVE RIVER (OLD STEAMBOAT CHANNEL) NEAR FORT RESOLUTION - STATION NO. 07NC003

LOCATION: LAT 61 15 00 N LONG 113 37 24 W
DRAINAGE AREA: km²
TYPE OF FLOW: REGULATED SINCE 1968
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1978 AUG 15	12:00E	17.0			50															
1978 SEP 20	12:00E				68															
1979 JUL 14	12:00E	21.0			338	137														
1979 AUG 15	12:00E				87	132														
1979 OCT 05	12:00E				78	136														
1980 MAY 14	12:00E	10.0	35.4	H	100	126														
1980 AUG 20	12:00E	19.0	46.5	H	62	180														
1980 OCT 07	12:00E	8.0	66.7	H	110	157														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN

SLAVE RIVER (RESDELTA CHANNEL) NEAR FORT RESOLUTION - STATION NO. 07NC009

LOCATION: LAT 61 17 05 N LONG 113 34 55 W
DRAINAGE AREA: km²
TYPE OF FLOW: REGULATED SINCE 1968
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1978 AUG 10	12:00E	16.0			103															
1978 SEP 18	12:00E				115															
1979 JUL 04	12:00E	20.0			579	133														
1979 AUG 14	12:00E	18.0			178	124														
1979 OCT 03	12:00E	5.0			165	130														
1980 MAY 13	12:00E	11.0	2 510	H	152	140														
1980 AUG 19	12:00E	18.0	2 540	H	78	178														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN

SLAVE RIVER (WEST CHANNEL) FROM OLD STEAMBOAT CHANNEL - STATION NO. 07NC004

LOCATION: LAT 61 14 05 N LONG 113 41 45 W
DRAINAGE AREA: km²
TYPE OF FLOW: REGULATED SINCE 1968
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1979 OCT 04	12:00E	4.0			78	120														
1980 MAY 14	12:00E				100	138														

TIME SYMBOL: E - ESTIMATED

SLAVE RIVER (WEST CHANNEL) NEAR FORT RESOLUTION - STATION NO. 07NC005

LOCATION: LAT 61 15 50 N LONG 113 37 10 W
DRAINAGE AREA: km²
TYPE OF FLOW: REGULATED SINCE 1968
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1978 AUG 18	12:00E	17.0			56															
1978 SEP 20	12:00E				88															
1979 JUL 03	12:00E	20.0			526	136														
1979 AUG 15	12:00E				127	127														
1979 OCT 04	12:00E	4.0			107	128														
1980 MAY 14	12:00E	10.0	51.7	H	122	133														
1980 AUG 20	12:00E	19.0	53.4	H	73	193														
1980 OCT 07	12:00E	5.0	51.4	H	139	152														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN

SNOWBLIND CREEK ABOVE LAURA LAKES - STATION NO. 10VC009

LOCATION: LAT 75 11 00 N LONG 093 54 00 W
DRAINAGE AREA: 347 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JUN 30	12:00E			21															

TIME SYMBOL: E - ESTIMATED

THELON RIVER ABOVE BEVERLY LAKE - STATION NO. 05JC002

LOCATION: LAT 64 31 53 N LONG 101 21 53 W
DRAINAGE AREA: 85 600 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 JUL 09	14:25	2.0		7	25														
1972 JUL 09	14:26E	2.0		0	31														

TIME SYMBOL: E - ESTIMATED

THLEWIAZA RIVER ABOVE OUTLET SEALHOLE LAKE - STATION NO. 05HB002

LOCATION: LAT 60 47 02 N LONG 098 46 40 W
DRAINAGE AREA: 27 000 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 JUL 08	18:50	7.2		0	28														
1972 JUL 08	18:51E	7.2		0	30														

TIME SYMBOL: E - ESTIMATED

TROUT RIVER AT FORT SIMPSON HIGHWAY - STATION NO. 10FA002

LOCATION: LAT 61 08 23 N LONG 118 50 09 W
DRAINAGE AREA: 9 270 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JUN 18	12:00E	16.0	55.8	V	3															
1975 AUG 01	12:00E		22.6	V	0															
1975 SEP 24	12:00E		24.2	M	0															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): M - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE

UNNAMED EASTERN TRIBUTARY OF WROTTESLEY RIVER - STATION NO. 10SA004

LOCATION: LAT 70 57 00 N LONG 094 47 00 W
DRAINAGE AREA: 803 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JUN 24	12:00E			6															

TIME SYMBOL: E - ESTIMATED

UNNAMED RIVER ABOVE ALLISON INLET - STATION NO. 10VC005

LOCATION: LAT 75 10 00 N LONG 099 18 00 W
DRAINAGE AREA: 293 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JUL 02	12:00E			15															

TIME SYMBOL: E - ESTIMATED

UNNAMED RIVER ABOVE BRACEBRIDGE INLET - STATION NO. 10VC006

LOCATION: LAT 75 42 00 N LONG 100 33 00 W
DRAINAGE AREA: 510 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JUL 06	12:00E			30															

TIME SYMBOL: E - ESTIMATED

UNNAMED RIVER ABOVE GOODSIR INLET - STATION NO. 10VC004

LOCATION: LAT 75 44 00 N LONG 098 07 00 W
DRAINAGE AREA: 630 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JUL 02	12:00E			19															

TIME SYMBOL: E - ESTIMATED

UNNAMED RIVER ABOVE KING POINT - STATION NO. 10VB001

LOCATION: LAT 75 29 00 N LONG 105 48 00 W
DRAINAGE AREA: 1 120 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JUL 07	12:00E			19															

TIME SYMBOL: E - ESTIMATED

UNNAMED RIVER ABOVE SABINE BAY - STATION NO. 10VB003

LOCATION: LAT 75 29 00 N LONG 108 39 00 W
DRAINAGE AREA: 1 340 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JUL 07	12:00E			33															

TIME SYMBOL: E - ESTIMATED

UNNAMED RIVER ABOVE WARREN POINT - STATION NO. 10VB004

LOCATION: LAT 75 12 00 N LONG 108 27 00 W
DRAINAGE AREA: 193 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JUL 07	12:00E			184															

TIME SYMBOL: E - ESTIMATED

UNNAMED RIVER ABOVE WEST ARM OF WEATHERALL BAY - STATION NO. 10VB002

LOCATION: LAT 75 43 00 N LONG 107 37 00 W
DRAINAGE AREA: 288 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JUL 07	12:00E			10															

TIME SYMBOL: E - ESTIMATED

UNNAMED RIVER AT OUTLET OF LAKE JEKYL - STATION NO. 10SA001

LOCATION: LAT 69 47 00 N LONG 093 30 00 W
DRAINAGE AREA: 502 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JUN 25	12:00E			14															

TIME SYMBOL: E - ESTIMATED

UNNAMED RIVER NEAR CAPE GELL - STATION NO. 10VC012

LOCATION: LAT 75 35 00 N LONG 094 50 00 W
DRAINAGE AREA: 84.3 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JUL 01	12:00E			18															

TIME SYMBOL: E - ESTIMATED

UNNAMED RIVER NEAR SCHOMBERG POINT - STATION NO. 10VC007

LOCATION: LAT 75 34 00 N LONG 102 29 00 W
DRAINAGE AREA: 97.9 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JUL 05	12:00E			43															

TIME SYMBOL: E - ESTIMATED

WEST CRESWELL RIVER ABOVE CRESWELL BAY - STATION NO. 10TN003

LOCATION: LAT 73 02 00 N LONG 094 13 00 W
DRAINAGE AREA: 605 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JUN 23	12:00E			22															

TIME SYMBOL: E - ESTIMATED

WILLOWLAKE RIVER NEAR THE MOUTH - STATION NO. 10CB001

LOCATION: LAT 62 38 02 N LONG 122 54 00 W
DRAINAGE AREA: 20 500 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1974 MAY 15	12:15	0.8	1 050	H	251	K		17	28	44	64	83	92	97	99	100			8	64	28
1974 MAY 18	12:00E	4.4	716	H	93																
1974 MAY 24	12:00E	9.4	418	H	41																
1974 JUN 26	12:00E	16.7	200	H	26																
1974 AUG 11	12:00E	15.1	62.0	H	8																
1974 SEP 12	12:00E	6.7	40.8	V	4																

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

NORTH RIVER AT NORTH RIVER - STATION NO. 01EM004

LOCATION: LAT 45 25 30 N LONG 063 15 20 W
DRAINAGE AREA: 202 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002 .004 .008 .016 .031 .062 .125 .250 .500 1.00 2.00	PERCENT SAND SILT CLAY
1973 AUG 22	14:35	21.0		1	74		
1973 AUG 22	15:15	21.0		3	74		
1973 AUG 22	15:38	21.0		382	87		
1973 AUG 22	16:02	21.0		50	88		

SALMON RIVER AT SALMON RIVER BRIDGE - STATION NO. 01FJ001

LOCATION: LAT 45 56 03 N LONG 060 18 10 W
DRAINAGE AREA: 198 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002 .004 .008 .016 .031 .062 .125 .250 .500 1.00 2.00	PERCENT SAND SILT CLAY
1975 JUN 16	19:05	21.0	0.813	H	3	56		
1975 JUN 23	19:45	19.0	0.238	H	8	57		
1975 JUL 08	18:30	23.0	0.504	H	3	58		
1975 JUL 14	18:20	18.0	2.86	H	253			
1975 JUL 25	15:30	21.0	7.87	H	4	85		
1975 AUG 02	16:00	18.0	2.13	H	3	58		
1975 AUG 16	12:00E	21.0	0.430	H	3			
1975 AUG 22	12:00	19.0	0.184	H	3			
1975 AUG 31	19:00	18.0	1.70	H	3	59		
1975 SEP 04	13:00	18.0	9.49	H	4	58		
1975 OCT 20	12:00E	7.0	18.8	H	4	65		
1975 NOV 03	12:00E	5.0	9.36	H	4	58		
1975 NOV 25	12:00E	2.0	7.11	H	3	45		

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

ABITIBI RIVER AT ONAKAWANA - STATION NO. 04HE003

LOCATION: LAT 50 35 00 N LONG 081 25 00 W
DRAINAGE AREA: 27 500 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1978 JUL 27	12:00E		281	V	46															
1983 MAY 16	12:00E		1 380	H	120															
1983 AUG 04	12:00E		239	H	4															
1983 OCT 30	12:00E		303	H	6															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE

ALBANY RIVER ABOVE NOTTIK ISLAND - STATION NO. 04GD001

LOCATION: LAT 51 36 30 N LONG 088 23 50 W
DRAINAGE AREA: 32 400 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1983 MAY 14	12:00E		230	W	8															
1983 OCT 26	12:00E		235	H	1															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN, ICE CONDITIONS

ALBANY RIVER NEAR HAT ISLAND - STATION NO. 04HA001

LOCATION: LAT 51 19 30 N LONG 083 52 20 W
DRAINAGE AREA: 118 000 km²
TYPE OF FLOW: REGULATED SINCE 1934
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 MAY 28	12:00E		1 780	Y	11	114														
1975 JUN 02	12:00E		1 630	Y	15	108														
1975 JUN 21	12:00E		4 080	H	15															
1975 JUL 04	12:00E		1 480	H	12	110														
1975 AUG 22	12:00E		985	H	4	91														
1976 MAY 28	12:00E		1 680	H	11	114														
1977 JUN 02	12:00E		1 300	H	11	113														
1978 AUG 10	12:00E		1 030	Y	40															
1980 AUG 13	12:00E	19.0	298	H	71															
1981 MAY 10	12:00E		2 650	H	711															
1981 AUG 08	12:00E		221	Y	44															
1981 OCT 03	12:00E		88.0	Y	51															
1982 MAY 13	12:00E	8.0	4 880	H	102															
1982 JUL 28	12:00E	12.0	896	H	55															
1983 MAY 12	12:00E		3 010	H	120															
1983 AUG 09	12:00E		896	H	3															
1983 NOV 01	12:00E	3.0	1 700	Y	18															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE Y - DAILY MEAN, ESTIMATED

ONTARIO

ASHEWEIG RIVER AT STRAIGHT LAKE - STATION NO. 04DB001

LOCATION: LAT 53 43 00 N LONG 087 55 40 W
DRAINAGE AREA: 7 950 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1983 JUN 06	12:00E		145	H	3															
1983 SEP 27	12:00E		39.9	H	6															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN

ATTAWAPISKAT RIVER BELOW MUKETEI RIVER - STATION NO. 04FC001

LOCATION: LAT 53 05 30 N LONG 085 00 30 W
DRAINAGE AREA: 36 000 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 MAY 28	12:00E		861	V	13	84														
1975 JUN 04	16:00		786	H	10	65														
1975 JUL 05	12:00E		583	H	30	92														
1975 AUG 23	12:00E		554	H	7	78														
1976 MAY 30	12:00E		821	V	11	73														
1977 JUN 04	12:00E		578	V	10	65														
1980 AUG 13	12:00E	17.0	148	H	80															
1981 SEP 30	12:00E		87.6	H	70															
1982 MAY 17	12:00E	8.0	1 310	V	88															
1982 OCT 18	12:00E		572	H	7															
1983 MAY 13	12:00E		285	W	5															
1983 AUG 06	12:00E		387	H	1															
1983 OCT 27	12:00E	3.7	286	H	31															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS
V - DAILY MEAN; ESTIMATED

AUX SABLES RIVER AT MASSEY - STATION NO. 02CE002

LOCATION: LAT 46 12 54 N LONG 082 04 14 W
DRAINAGE AREA: 1 350 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1987 APR 15	10:00	1.1	125	48	81														

BEAR BROOK NEAR BOURGET - STATION NO. 02LB008

LOCATION: LAT 45 25 35 N LONG 075 09 12 W
DRAINAGE AREA: 440 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1978 APR 25	10:00			93	185														

CAT RIVER BELOW WESLEYAN LAKE - STATION NO. 04GA002

LOCATION: LAT 51 10 00 N LONG 091 35 50 W
DRAINAGE AREA: 6 380 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1983 JUN 01	12:00E		25.8 H	1															
1983 SEP 25	12:00E		38.2 H	1															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

EKWAN RIVER BELOW NORTH WASHAGAMI RIVER - STATION NO. 04EA001

LOCATION: LAT 53 46 30 N LONG 084 55 20 W
DRAINAGE AREA: 10 400 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1983 AUG 08	12:00E		50.9 H	4															
1983 OCT 27	12:00E		95.1 H	3															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

FAWN RIVER BELOW BIG TROUT LAKE - STATION NO. 04CE002

LOCATION: LAT 53 48 00 N LONG 089 33 00 W
DRAINAGE AREA: 4 350 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1983 JUN 10	12:00E		40.8 Y	2															
1983 SEP 28	12:00E		42.7 Y	2															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): Y - DAILY MEAN; ESTIMATED

GRAND RIVER AT BRANTFORD - STATION NO. 02GB001

LOCATION: LAT 43 07 56 N LONG 080 18 01 W
DRAINAGE AREA: 5 210 km²
TYPE OF FLOW: REGULATED SINCE 1942
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 APR 20	12:00E		883	H	1 370															
1975 APR 21	12:00E		603	H	282															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

GRAND RIVER AT GALT - STATION NO. 02GA003

LOCATION: LAT 43 21 10 N LONG 080 19 01 W
DRAINAGE AREA: 3 520 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 APR 20	12:00E		486	H	346															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

KENOGAMI RIVER NEAR MANMAMATTAWA - STATION NO. 04JG001

LOCATION: LAT 50 26 20 N LONG 084 23 15 W
DRAINAGE AREA: 26 200 km²
TYPE OF FLOW: REGULATED SINCE 1939
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1983 MAY 11	12:00E		1 390	H	50															
1983 OCT 26	12:00E		832	V	4															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE

KWATABOAHEGAN RIVER NEAR THE MOUTH - STATION NO. 04KA001

LOCATION: LAT 51 09 00 N LONG 080 52 00 W
DRAINAGE AREA: 4 250 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1983 MAY 16	12:00E		247	H	25															
1983 AUG 04	12:00E		3.11	H	10															
1983 OCT 30	12:00E		53.5	H	2															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN

LITTLE CURRENT RIVER AT PERCY LAKE - STATION NO. 04JF001

LOCATION: LAT 50 39 30 N LONG 086 31 55 W
DRAINAGE AREA: 5 360 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1983 MAY 15	12:00E		58.6	H	2															
1983 AUG 08	12:00E		48.0	H	4															
1983 OCT 25	12:00E		63.0	H	1															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN

LUCKNOW RIVER AT LUCKNOW - STATION NO. 02FD002

LOCATION: LAT 43 57 44 N LONG 081 30 55 W
DRAINAGE AREA: 54.9 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1981 SEP 28	12:00E		0.530	H	4																	
1981 OCT 01	12:00E		0.507	H	28	K	406	K														
1981 OCT 02	12:00E		0.478	H	6		241															
1981 OCT 06	12:00E		0.880	H	22																	
1981 OCT 14	12:00E		0.342	H	1		596															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN
CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL
DISSOLVED SOLIDS SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

LUCKNOW RIVER AT LUCKNOW - STATION NO. 02FD002

BED MATERIAL PARTICLE-SIZE ANALYSIS

DATE	TIME	INSTANT. DISCHARGE (m³/s)	NUMBER OF SAMPLING POINTS	TYPE OF SAMPLER	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	4.00	8.00	16.00	32.00	64.00
1981 OCT 14	12:00	0.484	1	SCOOP							1	3	6	11	16	25	43	100	

MOOSE RIVER ABOVE MOOSE RIVER - STATION NO. 04LG004

LOCATION: LAT 50 44 35 N LONG 081 27 30 W
DRAINAGE AREA: 80 100 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: MANUAL

REMARKS: REPLACES 04LG002 'MOOSE RIVER AT MOOSE RIVER' EFFECTIVE JAN 01 1983

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1976 JUL 21	17:00	21.0			13	123														

MOOSE RIVER AT MOOSE RIVER - STATION NO. 04LG002

LOCATION: LAT 50 48 50 N LONG 081 17 40 W
DRAINAGE AREA: 80 100 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 MAY 14	12:00E		2 150	H	480	133														
1975 JUL 16	12:00E		284	H	406	142														
1976 JUL 21	12:00E	21.0	286	H	13															
1977 MAY 11	12:00E		2 040	H	101	111														
1978 JUL 28	12:00E	18.0	606	H	32															
1978 OCT 18	12:00E	4.0	1 110	H	51															
1979 MAY 12	12:00E	5.0	6 270	H	247															
1979 JUL 17	12:00E		487	H	17															
1980 MAY 08	12:00E		3 280	H	103															
1980 AUG 03	12:00E		168	Y	73															
1980 OCT 03	12:00E		836	H	81															
1981 MAY 07	12:00E	4.0	4 800	H	100															
1981 AUG 25	12:00E		112	Y	37															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN Y - DAILY MEAN; ESTIMATED

NITH RIVER NEAR CANNING - STATION NO. 02GA010

LOCATION: LAT 43 11 26 N LONG 080 27 17 W
DRAINAGE AREA: 1 030 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 APR 20	11:00		405	H	2 520	K		40	50	63	75	85	94	98	99	100			8	44	50
1975 APR 20	14:00		405	H	2 510	K		40	49	65	78	86	94	98	99	100			8	45	49

DISCHARGE SYMBOL(S): H - DAILY MEAN

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

NORTH FRENCH RIVER NEAR THE MOUTH - STATION NO. 04MF001

LOCATION: LAT 51 05 00 N LONG 080 45 00 W
DRAINAGE AREA: 8 880 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1983 MAY 16	12:00E		587 V	55															
1983 AUG 07	12:00E		20.1 V	2															
1983 OCT 27	12:00E		88.9 V	2															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): V - DAILY MEAN; MANUAL GAUGE

OTTAWASAGA RIVER NEAR BAXTER - STATION NO. 02ED003

LOCATION: LAT 44 14 59 N LONG 079 49 20 W
DRAINAGE AREA: 1 180 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1970 OCT 15	13:00	10.2	7.76	41	310														
1970 OCT 15	13:01E	10.2	7.76	31	321														
1970 OCT 15	13:02E	10.2	7.76	33	322														
1970 OCT 15	13:03E	10.2	7.76	45	329														
1980 SEP 10	12:00E	17.0	5.53 M	32															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): M - DAILY MEAN

OGOKI RIVER ABOVE WHITECLAY LAKE - STATION NO. 04GB004

LOCATION: LAT 50 52 00 N LONG 088 55 50 W
DRAINAGE AREA: 11 200 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1983 JUN 11	12:00E		101 M	2															
1983 SEP 29	12:00E		86.5 M	2															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): M - DAILY MEAN

PINEIMUTA RIVER AT EYES LAKE - STATION NO. 04FA003

LOCATION: LAT 52 18 30 N LONG 088 45 15 W
DRAINAGE AREA: 4 900 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1983 JUN 13	12:00E		45.8	H	8															
1983 AUG 13	12:00E		29.7	H	10															
1983 SEP 25	12:00E		23.4	H	4															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN

PIPESTONE RIVER AT KARL LAKE - STATION NO. 04DA001

LOCATION: LAT 52 34 50 N LONG 090 11 20 W
DRAINAGE AREA: 5 980 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1983 JUN 01	12:00E		67.6	Y	4															
1983 AUG 13	12:00E		29.3	Y	55															
1983 SEP 24	12:00E		15.1	H	10															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN Y - DAILY MEAN; ESTIMATED

ROSEBERRY RIVER ABOVE ROSEBERRY LAKES - STATION NO. 04CA003

LOCATION: LAT 52 38 20 N LONG 092 32 15 W
DRAINAGE AREA: 618 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1978 MAY 25	12:00E	13.8	8.83	H	11															
1978 AUG 09	12:00E	16.4	4.47	H	10															
1978 SEP 21	12:00E	10.0	9.34	H	10															
1979 MAY 26	12:00E	11.1	23.5	H	12															
1979 JUL 17	12:00E	12.2	3.80	H	14															
1979 SEP 26	12:00E	7.2	9.16	H	9															
1980 JUL 08	12:00E	19.0	1.08	H	18															
1980 OCT 04	12:00E		8.00	H	8															
1983 MAY 31	12:00E		9.57	Y	4															
1983 SEP 23	12:00E		1.07	Y	5															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN Y - DAILY MEAN; ESTIMATED

ROUGE RIVER AT SCARBOROUGH - STATION NO. 02HC103

LOCATION: LAT 43 48 40 N LONG 079 09 35 W
DRAINAGE AREA: 215 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP.	INSTANT. DISCHARGE		INSTANT. CONCENT.	DISSOLVED SOLIDS	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES								PERCENT		
							.002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	SAND	SILT	CLAY
		(°C)	(m³/s)		(mg/L)	(mg/L)														
1975 SEP 22	12:50				108	377														
1975 SEP 23	12:00				12	199														
1975 SEP 24	10:20	13.0			8	398														
1975 OCT 02	11:30	10.0			8	430														
1975 OCT 08	13:45	15.0			8	415														

SACHIGO RIVER BELOW OUTLET OF SACHIGO LAKE - STATION NO. 04CD002

LOCATION: LAT 53 59 40 N LONG 092 08 50 W
DRAINAGE AREA: 4 270 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP.	INSTANT. DISCHARGE		INSTANT. CONCENT.	DISSOLVED SOLIDS	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES								PERCENT		
							.002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	SAND	SILT	CLAY
		(°C)	(m³/s)		(mg/L)	(mg/L)														
1983 JUN 01	12:00E		81.9	N	3															
1983 SEP 24	12:00E		36.1	Y	20															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): N - DAILY MEAN Y - DAILY MEAN; ESTIMATED

SAUGEEN RIVER NEAR PORT ELGIN - STATION NO. 02FC001

LOCATION: LAT 44 27 23 N LONG 081 19 36 W
DRAINAGE AREA: 3 980 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1980 FEB 26	12:00E	0.1	27.5	W	13															
1980 MAR 24	12:00E	1.0	290	H	122	231														
1980 MAY 12	12:00E	11.0	40.8	H	6															
1980 MAY 27	12:00E	15.5	30.5	H	10	324														
1980 JUN 18	12:00E	16.0	26.5	H	14															
1980 JUN 25	12:00E	22.2	32.8	H	14	384														
1980 JUL 29	12:00E	18.0	98.5	H	64															
1980 AUG 27	12:00E	24.0	16.0	H	4															
1980 SEP 11	12:00E		15.0	H	6															
1980 SEP 25	12:00E	13.5	59.8	H	34															
1980 OCT 07	12:00E		67.4	H	244															
1980 OCT 30	12:00E	4.5	51.5	H	4															
1980 NOV 18	12:00E	0.5	47.2	Y	8															
1981 FEB 24	12:00E	0.5	697	H	218															
1981 APR 21	12:00E	7.0	82.5	H	9															
1981 MAY 26	12:00E	14.0	35.4	H	6															
1981 JUN 24	12:00E	17.0	38.9	H	24															
1981 JUL 03	12:00E	19.0	21.3	H	9															
1981 JUL 27	12:00E	23.0	11.0	H	12															
1981 AUG 27	12:00E		11.2	H	5															
1981 SEP 21	12:00E	12.0	18.4	H	2															
1981 SEP 26	12:00E	12.0	27.0	H	6															
1981 OCT 13	12:00E	8.0	38.9	H	7															
1981 OCT 27	12:00E	5.0	54.6	H	8															
1981 NOV 16	12:00E	3.0	30.8	H	5															
1981 NOV 26	12:00E	2.0	48.6	H	8															
1981 DEC 30	12:00E	0.1	32.4	W	2															
1982 MAR 25	12:00E	1.0	169	W	97															
1982 JUN 24	12:00E	17.0	117	H	38															
1982 JUL 27	12:00E		15.5	H	13															
1982 AUG 27	12:00E	18.0	45.1	H	34															
1982 SEP 27	12:00E	14.0	24.7	H	14															
1982 OCT 27	12:00E	8.0	20.8	H	12															
1982 NOV 25	12:00E	3.0	130	H	44															
1982 DEC 29	12:00E	2.0	182	H	31															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS Y - DAILY MEAN; ESTIMATED

SEVERN RIVER AT LIMESTONE RAPIDS - STATION NO. 04CC001

LOCATION: LAT 55 22 30 N LONG 086 19 30 W
DRAINAGE AREA: 94 300 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 MAR 04	12:00E		254	W	45	74														
1975 MAR 05	12:00E		252	W	77	75														
1975 MAY 04	12:00E		2 220	W	45															
1975 MAY 05	12:00E		2 280	W	77															
1978 JUN 03	12:00E	7.0	783	Y	14															
1978 SEP 19	12:00E		1 060	Y	8															
1979 JUL 25	12:00E		948	Y	18															
1979 SEP 28	12:00E	5.0	834	H	13															
1980 MAY 22	12:00E	13.0			22															
1980 JUL 03	12:00E				12															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS Y - DAILY MEAN; ESTIMATED

SEVERN RIVER AT OUTLET OF MUSKRAT DAM LAKE - STATION NO. 04CA002

LOCATION: LAT 53 28 27 N LONG 091 30 55 W
DRAINAGE AREA: 35 600 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1983 JUN 01	12:00E		555	H	2															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN

SEVERN RIVER BELOW OUTLET OF DEER LAKE - STATION NO. 04CA004

LOCATION: LAT 52 40 30 N LONG 093 59 50 W
DRAINAGE AREA: km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1983 MAY 31	12:00E		58.4	H	1															
1983 SEP 23	12:00E		18.7	Y	2															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN Y - DAILY MEAN, ESTIMATED

SOUTH NATION RIVER AT CHESTERVILLE - STATION NO. 02LB009

LOCATION
DRAINAGE AREA: 1 050 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1978 APR 10	11:00			14	184														
1978 APR 12	09:15			24	149														
1978 APR 13	12:40			28	147														
1978 APR 14	12:30			25	135														
1978 APR 17	13:45			14	132														
1978 APR 18	14:30			13	137														
1978 APR 19	14:31			16	145														
1978 APR 24	13:45			19	193														
1978 APR 24	13:46			16	180														
1978 APR 25	13:45			22	212														
1978 APR 25	13:46			20	213														
1978 APR 28	12:15			11	216														
1978 APR 28	12:16			13	223														

SOUTH NATION RIVER BELOW CASSELMAN - STATION NO. 02LB014

LOCATION: LAT 45 19 18 N LONG 075 05 34 W
DRAINAGE AREA: km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 APR 10	12:00E			10	328														
1975 APR 11	12:00E			12	350														
1975 APR 12	12:00E			10	314														
1975 APR 14	12:00E			11	345														
1975 APR 17	12:00E			10	390														
1975 APR 19	12:00E			11	370														
1975 APR 23	12:00E			12	354														
1975 APR 27	12:00E			15	343														
1975 APR 29	12:00E			14	344														

TIME SYMBOL: E - ESTIMATED

THAMES RIVER AT THAMESVILLE - STATION NO. 02GE003

LOCATION: LAT 42 32 42 N LONG 081 58 04 W
DRAINAGE AREA: 4 300 km²
TYPE OF FLOW: REGULATED SINCE 1953
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1967 MAR 29	14 00	3.3	8.33	555	251	23	34	50	63	74	85	94	98	100			14	52	34
1967 MAR 29	14 05E	3.3	80.4	487	248	25	36	50	62	74	84	94	99	100			15	48	36
1967 MAR 29	14 10E	3.3	122	405	239	30	41	59	72	85	92	98	99	100			8	51	41
1967 MAR 29	14 15E	3.3	93.3	393	243	30	43	58	75	86	94	98	100				8	51	43
1967 MAR 29	14 20E	3.3	14.7	399	252	26	38	57	74	84	92	98	100				8	54	38

TIME SYMBOL: E - ESTIMATED

WANAPITEI RIVER NEAR WANUP - STATION NO. 02DB005

LOCATION: LAT 46 20 40 N LONG 080 50 24 W
DRAINAGE AREA: 3 130 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1967 APR 18	12 00	1.1	83.1	32	85														

WEST HUMBER RIVER NEAR THISTLETOWN - STATION NO. 02HC008

LOCATION: LAT 43 43 50 N LONG 079 33 15 W
DRAINAGE AREA: 205 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1985 JAN 13	12:00E	0.6		21	479														
1985 JAN 27	12:00E	0.8		75	433														
1985 FEB 10	12:00E	0.6		115															
1985 FEB 12	15:35	0.6		235	185	40	53	78	90	95	98	99	100				2	45	53
1985 FEB 25	12:00E	0.8		12	418														
1985 MAR 01	17:00	0.8		855	204	24	35	52	67	78	88	95	99	100			12	53	35
1985 MAR 02	12:00E	0.8		340	215														
1985 MAR 04	12:00E	0.8		90	212														
1985 MAR 09	12:00E	0.6		85	245														
1985 MAR 17	12:00E	3.8		75	264														
1985 APR 05	12:00E	1.1		32	383														
1985 MAY 12	12:00E	5.0		38	538														

TIME SYMBOL: E - ESTIMATED

WINDIGO RIVER ABOVE MUSKRAT DAM LAKE - STATION NO. 04CB001

LOCATION: LAT 53 20 55 N LONG 091 47 30 W
DRAINAGE AREA: 10 800 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1983 MAY 31	12:00E		121	H	5															
1983 SEP 23	12:00E		57.4	Y	20															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN Y - DAILY MEAN, ESTIMATED

WINISK RIVER BELOW ASHEWEIG RIVER TRIBUTARY - STATION NO. 04DC001

LOCATION: LAT 54 31 00 N LONG 087 14 00 W
DRAINAGE AREA: 50 000 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1978 JUN 02	12:00E		872	Y	48															
1978 SEP 26	12:00E	6.0	542	Y	12															
1980 MAY 05	12:00E		755	W	15															
1980 JUL 07	12:00E		567	H	26															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN, ICE CONDITIONS Y - DAILY MEAN, ESTIMATED

DUNK RIVER ABOVE SCALES POND - STATION NO. 01CB011

LOCATION: LAT 46 20 55 N LONG 063 34 40 W
DRAINAGE AREA: 80.6 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1974 APR 23	12:00E	6.0		21															
1974 APR 27	12:00E	6.0		16															
1974 APR 29	12:00E	8.0		7															
1974 APR 30	12:00E	8.0		120															
1974 MAY 01	12:00E	4.0		23															
1974 MAY 02	12:00E	4.0		14															
1974 MAY 03	12:00E	5.0		15															
1974 MAY 06	12:00E	6.0		9															
1974 MAY 08	12:00E	5.0		1															
1974 MAY 09	12:00E	7.0		7															
1974 MAY 14	12:00E	7.0		10															
1974 MAY 16	12:00E	7.0		5															
1974 MAY 24	12:00E	7.0		5															
1974 MAY 28	12:00E	5.0		21															
1974 MAY 30	12:00E	8.0		4															
1974 JUN 07	12:00E	10.0		3															
1974 JUN 20	12:00E	13.0		3															
1974 JUN 27	12:00E	12.0		1															
1974 JUL 03	12:00E	14.0		11															
1974 JUL 08	12:00E	14.0		4															
1974 JUL 10	12:00E	12.0		338															
1974 JUL 11	12:00E	14.0		30															
1974 JUL 12	12:00E	15.0		9															
1974 JUL 13	12:00E	15.0		4															
1974 JUL 18	12:00E	13.0		5															
1974 JUL 22	12:00E	13.0		4															
1974 JUL 26	12:00E	14.0		3															
1974 AUG 02	12:00E	15.0		4															
1974 AUG 05	12:00E	11.0		8															
1974 AUG 06	12:00E	15.0		8															
1974 AUG 12	12:00E	13.0		6															
1974 AUG 20	12:00E	15.0		2															
1974 AUG 25	12:00E	14.0		6															
1974 AUG 28	12:00E	14.0		1															
1974 SEP 04	12:00E	13.0		8															
1974 SEP 05	12:00E	12.0		11															
1974 SEP 06	12:00E	11.0		28															
1974 SEP 07	12:00E	11.0		26															
1974 SEP 08	12:00E	10.0		2															
1974 SEP 11	12:00E	11.0		3															
1974 SEP 18	12:00E	10.0		4															
1974 SEP 22	12:00E	12.0		10															
1974 SEP 23	12:00E	10.0		10															
1974 SEP 24	12:00E	12.0		8															
1974 SEP 30	12:00E			52															
1974 OCT 01	12:00E	8.0		1															
1974 OCT 03	12:00E	9.0		1															
1974 OCT 04	12:00E	9.0		1															
1974 OCT 05	12:00E	8.0		2															
1974 OCT 11	13:00E	5.0		11															
1974 OCT 13	12:00E	5.0		15															
1974 OCT 17	12:00E	4.0		9															
1974 OCT 25	12:00E	3.0		7															
1974 OCT 27	12:00E	2.5		18															
1974 OCT 28	12:00E	2.0		5															
1974 NOV 01	12:00E			5															

TIME SYMBOL: E - ESTIMATED

SMELT CREEK NEAR ELLERSLIE - STATION NO. 01CA004

LOCATION: LAT 46 36 09 N LONG 063 58 14 W
DRAINAGE AREA: 17.3 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1973 FEB 20	12:00E		0.082 W	104	104														
1973 MAR 03	12:00E		0.048 W	116	116														
1973 MAR 17	12:00E		0.020 W	70	70														
1973 MAR 30	12:00E		0.057 W	83	83														
1973 APR 11	12:00E		0.554 W	71	71														
1973 APR 23	12:00E		1.88 W	84	84														
1973 APR 24	12:00E		3.17 W	58	58														
1973 MAY 13	12:00E		0.527 W	88	88														
1973 JUL 17	12:00E		0.142 W	140	140														
1973 AUG 07	12:00E		0.578 W	116	116														
1973 OCT 23	12:00E		0.025 W	158	158														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): W - DAILY MEAN; ICE CONDITIONS

RICHELIEU (RIVIERE) AUX RAPIDES FRYERS - STATION NO. 02DJ007

LOCATION: LAT 45 23 54 N LONG 073 15 32 W
DRAINAGE AREA: 22 000 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1977 NOV 21	12:00E	8.0	705	H	20															
1977 NOV 28	12:00E	4.0	597	H	10															
1977 DEC 04	12:00E	3.0	817	H	5	88														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN

SAINT-LAURENT (FLEUVE) A LA VILLE DE QUEBEC - STATION NO. 02PB003

LOCATION: LAT 46 48 24 N LONG 071 12 15 W
DRAINAGE AREA: km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1977 SEP 27	12:00E			22 K	181 K														
1977 SEP 28	12:00E			37 K	179 K														
1978 JUN 08	12:00E			5 K	177 K														

TIME SYMBOL: E - ESTIMATED
CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL
DISSOLVED SOLIDS SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

SAINT-LAURENT (FLEUVE) A LASALLE - STATION NO. 02DA018

LOCATION: LAT 45 24 54 N LONG 073 37 28 W
DRAINAGE AREA: km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JAN 01	12:00E	0	290	H	20	158														
1975 AUG 12	12:00E	6	500	H	7 R	236 R														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN
CONCENTRATION SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS
DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

SASKATCHEWAN

BATTLE RIVER AT BATTLEFORD - STATION NO. 05FF001

LOCATION: LAT 52 44 07 N LONG 108 20 09 W
DRAINAGE AREA: 30 000 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1980 APR 18	17:15	5.5	84.8		1 420	K	318		18	31	28	39	64	74	91	98	100			28	53	21
1980 APR 21	13:00	8.5	43.3		886	K	368		29	36	51	64	74	81	89	98	98	100		18	45	36
1980 APR 24	08:45	9.0	37.6	H	894	K	368		39	46	58	70	77	81	89	95	98	100		18	35	46
1980 APR 30	12:00E	16.0	28.2	V	384		360															
1980 MAY 27	12:00E	19.0	10.1	V	35		458															
1980 JUN 10	12:00E	20.0	7.18	H	15		570															
1980 JUN 12	12:00E	17.5	6.62	H	13		531															
1980 JUN 24	12:00E	19.0	5.51	H	11		552															
1980 JUL 08	12:00E	25.0	12.4	H	28	K	528	K														
1980 JUL 22	12:00E	22.0	7.77	H	21		476															
1980 AUG 28	12:00E	14.0	6.90	V	11		437															
1980 SEP 24	12:00E	9.5	6.90	H	31		424															
1980 NOV 05	12:00E	2.0	9.05	V	18		404															
1981 APR 15	15:40	7.0	27.9		288	K	488		35	38	51	67	77	82	91	97	99	99	100	18	47	35
1981 APR 22	12:00E	11.0	22.4	H	178		449															
1981 MAY 05	12:00E	11.0	13.9	H	62		486															
1981 MAY 20	12:00E	18.0	8.78	H	22		488															
1981 JUN 23	12:00E	17.0	6.67	H	10		487															
1981 JUL 20	12:00E	21.0	3.25	H	1		483															
1981 JUL 21	12:00E	21.0	3.54	H	0		456															
1981 JUL 28	12:00E	18.5	2.62	V	3		452															
1981 AUG 24	12:00E	24.0	3.94	V	3		512															
1981 SEP 22	12:00E	12.0	4.89	H	25		386															
1981 NOV 03	12:00E	1.0	5.54	V	31		452															
1982 APR 23	12:00E	4.0	10.1	W	63		431															
1982 APR 28	14:30	10.5	33.4		586	K	308		48	58	71	81	88	91	93	97	98	100		9	33	58
1982 MAY 11	12:30	9.0	45.3		723	K	351		34	45	63	78	85	90	95	98	100			10	45	45
1982 JUN 03	17:15	15.0	30.3		257	K	335		40	47	71	85	91	93	97	98	100			7	46	47
1982 JUL 08	12:00E	21.0	10.2	H	44		449															
1982 JUL 12	12:00E	24.0	21.7	H	95		478															
1982 JUL 14	12:00E	21.0	30.1	H	133		415															
1982 AUG 16	12:00E	21.0	35.2	V	208		331															
1982 SEP 20	12:00E	13.0	8.73	H	79		425															
1982 NOV 01	12:00E	1.0	7.01	V	42		487															
1983 APR 18	12:00E	8.0	35.8	H	811		446															
1983 APR 21	12:00E	9.0	36.0	H	884		422															
1983 APR 27	11:30	6.0	36.6	H	478	K	383		19	25	37	51	68	80	90	98	99	100		20	55	25
1983 MAY 09	12:00E	12.0	23.7	H	235		387															
1983 JUL 20	12:15	18.0	61.4		435	K	382		43	50	68	83	88	91	95	98	100			9	41	50
1983 AUG 23	12:00E	18.0	10.8	H	44		478															
1983 SEP 28	12:00E	8.0	4.78	V	82		520															
1983 OCT 31	12:00E	4.0	3.58	V	23		614															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

DISSOLVED SOLIDS SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

BEAVER RIVER NEAR DORINTOSH - STATION NO. 08AD001

LOCATION: LAT 54 17 47 N LONG 108 35 16 W
DRAINAGE AREA: 20 500 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1979 MAY 02	12:00E	8.0	209	V	153	195														
1979 MAY 08	12:00E	7.0	142	H	132	180														
1979 JUN 05	12:00E	15.0	87.2	H	55	203														
1979 JUL 10	12:00E	24.0	48.6	H	48	224														
1979 AUG 01	12:00E	22.5	37.8	H	49	230														
1979 OCT 03	12:00E	9.5	20.9	H	13	219														
1980 APR 18	10:20	1.0	131		319 K		10	15	28	44	63	84	95	99	100			16	83	15
1980 APR 22	12:00E	6.0	86.9	V	111	194														
1980 JUN 11	12:00E	20.0	12.1	H	7	303														
1980 JUL 08	12:00E	22.0	7.70	H	13	312														
1980 AUG 19	12:00E	18.0	48.1	H	66	175														
1980 OCT 28	12:00E	0.5	23.9	H	39	224														
1981 APR 15	12:00E	0.5	41.2	W	39	199														
1981 APR 22	12:00E	5.0	38.6	H	37	215														
1981 MAY 05	12:00E	11.0	31.9	H	23	212														
1981 MAY 26	12:00E	18.0	14.3	V	8	284														
1981 JUN 23	12:00E	18.0	4.37	H	16	323														
1981 JUL 22	12:00E	19.0	31.1	V	27	188														
1981 AUG 18	12:00E	22.0	9.15	V	9	249														
1981 SEP 22	12:00E	13.0	4.15	V	5	294														
1981 NOV 03	12:00E	1.0	4.25	H	25	302														
1982 APR 27	12:00E	4.0	101	H	253	212														
1982 APR 28	12:00E	7.0	88.3	H	156	203														
1982 MAY 06	12:00E	4.0	48.8	H	57	170														
1982 JUN 01	12:00E	15.0	26.7	H	8	203														
1982 JUL 14	12:00E	21.0	15.4	H	6	255														
1982 AUG 17	12:00E	18.0	10.9	V	5	243														
1982 SEP 22	12:00E	12.0	6.85	H	4	298														
1983 APR 19	12:00E	4.5	30.0	H	43	239														
1983 APR 26	12:00E	7.0	20.7	H	12	241														
1983 MAY 11	12:00E	9.0	15.0	H	5	283														
1983 JUN 01	12:00E	14.0	11.1	H	3	289														
1983 JUL 06	12:00E	20.0	24.1	H	10	237														
1983 AUG 10	12:00E	23.0	20.6	H	6	211														
1983 SEP 07	12:00E	14.0	8.18	H	1	288														
1983 NOV 02	12:00E	3.5	8.03	H	5	276														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

SASKATCHEWAN

BURNTOUT BROOK NEAR ARBORFIELD - STATION NO. 05KB005

LOCATION: LAT 53 05 15 N LONG 103 40 45 W
DRAINAGE AREA: 305 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 APR 25	12:00E		25.0	H	659		189														
1972 APR 25	12:00E		25.0	H	649																
1974 APR 24	12:00E	6.7	10.1	H	586																
1975 APR 25	12:00E		7.02	H	555																
1975 APR 28	12:00E		7.67	H	513																
1975 MAY 01	17:15		4.59		331	K															
1975 MAY 05	12:00E		2.22	H	181			36	45	60	72	83	87	91	95	97	98		13	41	45
1977 APR 10	16:00	0.6	2.86		603	K	193	40	44	63	75	87	94	98	99	100			8	50	44
1977 APR 11	12:00	2.0	1.40		387	K	225	52	60	78	88	93	97	98	99	100			3	37	60
1977 APR 13	12:00E	5.0	0.711	H	170																
1977 APR 15	12:00E	8.0	0.215	H	148		279														
1977 APR 19	12:00E	10.0	0.082	H	57		339														
1978 APR 13	12:00E		2.75	W	223		147														
1978 APR 14	12:00E		1.58	W	113		185														
1978 APR 18	15:25	0.5	11.8		825	K	121	50	60	70	79	88	93	98	99	100			7	33	60
1978 APR 19	12:00E	1.0	7.33	H	508		140														
1978 APR 26	16:30		5.58		474	K	180	37	49	64	78	87	93	98	99	100			7	44	49
1978 MAY 02	12:00E	2.0	2.23	H	268		281														
1979 APR 18	12:00E	0.5	9.04	W	198		128														
1979 APR 20	20:30	0.5	30.7		392	K	112	46	53	67	78	85	90	95	98	99	100		10	37	53
1979 APR 21	12:00E	3.0	25.8	H	321		108														
1979 APR 22	13:45	2.0	20.6		406	K	124	39	50	66	78	83	83	93	97	99	100		11	39	50
1979 MAY 02	12:00E		8.11	H	281		193														
1979 MAY 08	12:00E	5.0	3.86	H	163		228														
1979 MAY 28	12:00E	17.0	1.30	H	63		341														
1979 JUL 06	12:00E	23.0	0.011	V	26		457														
1980 APR 12	13:15	1.0	3.53		342	K	192	50	56	74	83	89	96	99	100				4	40	56
1980 APR 16	12:00E	4.0	2.98	V	289		173														
1980 APR 22	12:00E	9.0	1.57	H	167		167														
1980 MAY 13	12:00E	13.0	0.013	H	13		522														
1982 APR 15	12:00E	0.5	7.29	W	216		172														
1982 APR 16	10:30	0.5	16.8		300	K	159	68	75	81	85	92	96	99	100				4	21	75
1982 APR 17	12:00E	1.0	11.2	H	303		156														
1982 APR 20	16:10	3.0	8.02		484	K	234	37	48	68	82	90	96	99	100				4	48	48
1982 APR 27	12:00E	8.0	1.55	H	100		268														
1982 MAY 05	12:00E	10.0	0.306	H	29		322														
1982 JUN 11	12:00E	14.0	0.139	H	26		461														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

CARROT RIVER NEAR ARMLEY - STATION NO. 05KB003

LOCATION: LAT 53 08 11 N LONG 104 01 15 W
DRAINAGE AREA: 4 400 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 APR 25	08:20		292	H	327																
1972 APR 25	08:30E		292	H	370		175														
1972 APR 25	08:40		292	H	381																
1972 APR 27	11:45		208	H	288		189														
1974 APR 19	12:00E		35.7	W	172																
1974 APR 20	12:00E		187	H	358																
1974 APR 21	17:30		377	H	956	K		45	64	81	91	95	96	98	100				4	32	64
1975 APR 23	12:00E		50.7	H	521																
1975 APR 28	12:00E		45.0	H	578																
1975 APR 30	14:15		101	H	391	K		49	58	75	88	92	95	97	98	99	100		5	37	58
1975 MAY 06	12:00E		72.5	H	220																
1977 APR 11	12:00E		0.850	W	112		1 090														
1977 APR 13	12:00E	1.0	2.41	W	172		1 040														
1977 APR 14	12:00E	1.0	2.28	W	199																
1977 MAY 03	12:00E	15.0	0.385	H	54		718														
1978 APR 11	12:00E	0.5	4.02	W	40		485														
1978 APR 18	12:00E	0.1	72.5	H	217		227														
1978 APR 19	16:20		87.6	H	547	K	212	38	45	66	80	89	95	97	99	100			5	50	45
1978 APR 26	13:30		75.6		335	K	248	42	50	65	82	91	96	98	99	100			4	46	50
1978 MAY 02	10:30		27.2		517	K	388	27	33	50	65	80	91	95	99	100			9	58	33
1980 APR 15	14:50	4.0	86.4		583	K	189	48	59	76	83	89	94	98	100				6	35	59
1980 APR 18	12:00	8.0	63.8		794	K	287	32	50	70	86	94	97	99	100				3	47	50
1980 APR 22	16:05	14.0	71.7		357	K	291	37	47	64	80	90	96	99	100				4	49	47
1980 MAY 15	12:00E	12.0	3.46	V	78		948														
1980 JUN 11	12:00E	24.0	0.105	H	119		1 030														
1980 JUL 07	12:00E	21.0	0.728	H	78		987														
1980 AUG 14	12:00E	20.0	0.005	V	22		581														
1982 APR 16	12:00E	0.5	13.1	W	137		228														
1982 APR 17	12:00E	0.5	41.1	W	286		270														
1982 APR 18	14:40	1.0	82.7		386	K	263	52	65	80	90	94	97	100					3	32	65
1982 APR 20	09:40	2.0	50.8		390	K		45	56	75	89	94	97	99	100				3	41	56
1982 MAY 05	12:00E	10.0	4.20	H	121		411														
1982 JUN 09	12:00E	15.0	1.87	H	19		1 110														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS
CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

CARROT RIVER NEAR KINISTINO - STATION NO. 05KA001

LOCATION: LAT 52 56 55 N LONG 105 00 18 W
DRAINAGE AREA: 1 170 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 APR 26	15:20	10.0	15.2	H	78		213														
1972 APR 26	15:21E	10.0	15.2	H	74		216														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN

SASKATCHEWAN

CARROT RIVER NEAR SMOKY BURN - STATION NO. 05KC001

LOCATION: LAT 53 25 00 N LONG 103 08 30 W
DRAINAGE AREA: 9 250 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1973 SEP 28	12:00E		1.47	H	46																
1973 OCT 31	12:00E	1.7	1.03	V	48																
1982 APR 17	16:30	0.5	110		969	K	181	51	61	81	93	96	99	100					1	38	61
1982 APR 19	12:00E	0.5	135	W	1 980		200														
1982 APR 21	13:20	2.0	180		1 600	K	213	46	58	74	87	94	98	99	100				2	40	58
1982 APR 27	12:00E	7.0	65.2	H	677		278														
1982 MAY 12	12:00E	9.5	7.83	H	67		347														
1982 JUL 23	12:00E	19.0	2.05	H	13		348														
1982 OCT 01	12:00E	3.0	0.921	H	9		263														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS
CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

CONNELL CREEK NEAR CONNELL CREEK - STATION NO. 05KC002

LOCATION: LAT 53 13 13 N LONG 103 25 30 W
DRAINAGE AREA: 354 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1977 MAY 03	12:00E	9.0	0.340	H	71		343														
1978 APR 18	12:00E	0.5	9.91	W	58		82														
1978 APR 19	12:00E	0.5	26.2	W	109		88														
1978 APR 20	12:00E	0.5	25.3	H	241		101														
1978 APR 21	12:00E	0.5	13.4	H	337		137														
1978 APR 22	12:05		7.98		875	K	170	27	38	58	70	82	94	98	99	100			6	56	38
1978 APR 23	12:00E		5.11	H	487		184														
1978 APR 28	15:40		4.78	H	914	K		23	28	42	58	77	93	98	99	100			7	55	38
1978 MAY 03	12:00E		4.87	H	590		213														
1978 MAY 29	12:00E	11.0	5.12	H	914		274														
1980 APR 16	15:20	2.0	2.08		320	K	238	35	42	57	68	82	96	99	100				4	54	42
1980 APR 23	12:00E	10.0	1.19	H	83		242														
1980 MAY 13	12:00E	11.0	0.227	H	71		340														
1980 JUN 11	12:00E	24.0	0.128	V	84		388														
1980 JUL 10	12:00E	21.0	0.158	V	53		384														
1980 SEP 04	12:00E	14.0	0.181	H	47		339														
1981 APR 09	12:00E	0.5	0.676	W	28		286														
1981 APR 14	12:00E	0.5	0.714	W	24		286														
1981 APR 23	12:00E	2.5	1.21	H	54		271														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS
CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

CUTARM CREEK NEAR SPY HILL - STATION NO. 05JM015

LOCATION: LAT 50 35 27 N LONG 101 44 34 W
DRAINAGE AREA: 765 km²
TYPE OF FLOW: REGULATED SINCE 1967
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 APR 27	12:00E		0.201	H	88	992														
1973 MAR 22	12:00E	0.1	0.210	W	7															
1973 MAR 25	12:00E	0.1	0.189	W	8															
1973 MAR 29	12:00E	0.1	0.113	W	8															
1973 APR 04	12:00E	0.8	0.040	W	8															
1973 APR 12	13:00E	3.9	0.016	W	26															
1975 APR 19	12:00E	0.1	4.50	H	210															
1975 APR 23	12:00E	3.3	7.99	H	111															
1975 MAY 01	12:00E	3.9	3.37	H	62															
1975 AUG 12	12:00E	20.5	0.193	H	16															
1975 SEP 30	12:00E	11.0	0.300	H	15															
1975 OCT 28	12:00E	0.5	0.127	V	11															
1976 APR 06	12:00E	0.5	2.84	W	139															
1976 APR 11	12:00E	1.0	24.5	H	80															
1976 APR 14	12:00E	4.0	17.7	H	81															
1976 APR 21	12:00E	3.0	3.68	H	43															
1976 JUN 22	12:00E	20.0	0.286	H	22															
1977 APR 13	12:00E	4.0	0.153	W	14															
1977 APR 28	12:00E	13.0	0.161	H	18															
1977 MAY 09	12:00E	19.0	1.23	H	31															
1977 JUN 08	12:00E	25.0	0.037	H	42															
1977 JUL 04	12:00E		0.020	H	22															
1977 AUG 09	12:00E	18.0	0.022	H	40															
1977 SEP 06	12:00E	18.0	0.048	H	17															
1977 OCT 04	12:00E		0.147	H	57															
1977 OCT 25	12:00E		0.034	V	15															
1978 MAR 28	12:00E	0.5	0.158	W	180	2 090														
1978 MAR 30	12:00E	0.5	0.838	W	23	810														
1978 APR 04	12:00E	1.0	1.80	W	18	847														
1978 APR 10	12:00E	1.0	1.15	W	16	548														
1978 APR 17	12:00E	5.0	0.804	H	34	807														
1978 APR 26	12:00E	14.0	0.513	H	32	604														
1978 JUN 01	12:00E	14.0	0.098	H	48	1 590														
1978 JUL 04	12:00E	22.0	0.076	H	54	1 530														
1978 JUL 24	12:00E	26.0	0.034	H	42	1 700														
1978 AUG 23	12:00E		0.057	H	51	888														
1978 OCT 04	12:00E	5.0	0.071	H	14	1 120														
1979 APR 22	12:00E	4.0	9.02	W	190	573														
1979 APR 26	12:00E	4.0	12.2	H	182	253														
1979 MAY 01	12:00E	4.0	4.11	H	130	241														
1979 MAY 14	12:00E	8.0	0.778	H	30	438														
1979 JUN 04	12:00E	11.0	0.115	H	19	884														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS

CYPRESS LAKE WEST INFLOW CANAL - STATION NO. 11AB078

LOCATION: LAT 49 28 18 N LONG 109 37 08 W
DRAINAGE AREA: km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INTERNATIONAL GAUGING STATION

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1978 MAY 02	12:00E	7.0	2.22	H	33	245														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

SASKATCHEWAN

CYPRESS LAKE WEST OUTFLOW CANAL - STATION NO. 11AB077

LOCATION: LAT 49 28 14 N LONG 109 35 18 W
DRAINAGE AREA: km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INTERNATIONAL GAUGING STATION

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1978 MAY 02	12:00E	8.5	0.653	H	4		211														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN

DOGHIDE RIVER BELOW TISDALE - STATION NO. 05KB009

LOCATION: LAT 52 52 23 N LONG 104 02 17 W
DRAINAGE AREA: 396 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1974 APR 20	12:00E		53.8	H	224																
1974 APR 24	12:00E		19.5	H	41																
1975 APR 21	12:00E		7.31	W	269																
1975 APR 28	12:00E		20.8	H	64																
1975 APR 29	12:00E		31.7	H	164																
1975 MAY 02	12:00E		12.7	H	31																
1975 MAY 05	12:00E		4.88	H	42																
1976 APR 05	12:00E	0.5	5.48	W	857																
1976 APR 05	18:50	0.5	8.41	H	408	K		50	63	79	87	91	94	96	97	99			6	31	63
1976 APR 10	12:00E	3.5	18.8	H	75																
1976 APR 12	12:00E	6.5	10.3	H	55																
1976 APR 15	12:00E	8.0	6.09	H	46																
1976 APR 23	12:00E	7.0	1.39	H	21																
1976 MAY 21	12:00E	13.8	0.011	H	29																

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS
CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

DOGHIDE RIVER NEAR RUNCIMAN - STATION NO. 05KB011

LOCATION: LAT 52 58 15 N LONG 104 04 55 W
DRAINAGE AREA: 440 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1977 APR 11	09:20	0.5	5.58		345	K	257	23	29	44	54	61	74	87	98	99	100		28	45	29
1977 APR 12	09:25	0.1	4.82		448	K	248	9	14	25	31	38	41	50	88	82	91		59	27	14
1977 APR 14	12:00E	3.0	3.24	H	219		301														
1977 APR 15	12:00E	7.0	1.21	H	51																
1977 APR 18	12:00E	7.0	0.586	H	22		408														
1977 APR 20	12:00E	8.2	0.453	H	18																
1977 APR 22	12:00E	5.5	0.285	H	13		472														
1982 APR 15	13:50	0.5	11.4		327	K	177	50	61	72	78	84	91	98	100				9	30	61
1982 APR 17	12:00E	0.5	24.5	W	288		186														
1982 APR 19	12:00E	4.0	17.1	H	380		191														
1982 APR 20	12:00E	8.0	12.4	H	203		204														
1982 APR 21	12:00E	7.0	10.0	H	188		240														
1982 APR 27	12:00E	11.0	2.38	H	15		383														
1982 MAY 10	12:00E	7.0	0.153	H	5		598														
1982 JUN 11	12:00E	14.0	0.069	H	28		656														
1983 APR 21	12:00E	4.0	10.4	W	305		224														
1983 APR 23	12:00E	7.0	15.9	H	252		224														
1983 APR 25	12:00E	10.0	9.33	H	127		259														
1983 APR 28	12:00E	4.0	4.88	H	58		283														
1983 MAY 02	12:00E	8.0	2.07	H	15		339														
1983 MAY 17	12:00E	10.0	0.282	H	8		576														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS
CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

EAGLE CREEK NEAR ENVIRON - STATION NO. 05GC006

LOCATION: LAT 52 13 50 N LONG 107 22 40 W
DRAINAGE AREA: 11 900 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 MAY 15	12:00E	13.5	3.82	H	33																
1975 MAY 28	12:00E	15.4	2.36	H	40																
1975 SEP 23	12:00E	12.0	0.057	H	8																
1977 APR 27	12:00E	12.0	0.252	H	15																
1977 MAY 24	12:00E	21.0	1.30	H	14																
1977 JUN 22	12:00E		0.034	H	3																
1978 MAR 28	12:00E	0.5	0.306	W	32		1 800														
1978 APR 12	12:00E	2.5	10.5	W	117		526														
1978 APR 20	12:00E	2.5	2.84	H	34		840														
1978 MAY 01	12:00E	15.5	1.50	H	13		1 300														
1978 JUN 02	12:00E	10.5	0.380	H	20		1 690														
1978 JUN 30	12:00E	22.5	0.014	H	10		1 660														
1979 APR 25	12:00E	6.5	13.0	H	134	R	332	R													
1979 MAY 15	12:00E	15.0	0.842	H	19		874														
1979 JUN 07	12:00E	10.0	0.493	H	47		1 380														
1980 APR 01	12:00E	0.5	1.13	W	51		483														
1980 APR 03	12:00E	0.5	4.08	W	123		958														
1980 APR 08	12:00E	0.5	3.38	W	48		486														
1980 APR 15	12:00E	3.0	1.81	W	82	R	630	R													
1980 MAY 08	12:00E	12.0	0.258	H	8		1 260														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS
CONCENTRATION SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS
DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

EKAPO CREEK NEAR MARIEVAL - STATION NO. 05JM010

LOCATION: LAT 50 31 47 N LONG 102 42 37 W
DRAINAGE AREA: 1 100 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1973 MAR 14	12:00E	0.1	0.058	W	88															
1973 MAR 15	12:00E	0.1	0.076	W	40															
1973 MAR 19	12:00E	0.1	0.017	H	87															
1973 MAR 22	12:00E	0.1	0.017	H	467															
1973 MAR 28	12:00E	1.1	0.014	H	46															
1973 APR 04	12:00E	7.2	0.003	H	177															
1975 APR 18	12:00E	0.5	21.4	H	348															
1975 APR 22	12:00E	4.5	16.0	H	237															
1975 APR 25	12:00E	5.5	11.8	H	125															
1977 MAY 10	12:00E	23.0	0.024	H	138															
1978 MAR 27	12:00E	1.0	0.002	W	118	520														
1978 MAR 28	12:00E	0.5	0.023	W	248	521														
1978 APR 01	12:00E	0.5	1.90	W	88	370														
1978 APR 05	12:00E	0.5	2.55	W	47	337														
1978 APR 11	12:00E	3.5	0.874	V	24	403														
1978 APR 13	12:00E	3.5	0.784	V	7	419														
1978 APR 26	12:00E	10.5	0.181	H	13	624														
1979 APR 23	12:00E	3.0	31.4	H	823	214														
1979 APR 27	12:00E	4.0	13.8	H	501	304														
1979 APR 30	12:00E	5.0	6.34	H	221	445														
1979 MAY 15	12:00E	14.0	2.41	H	25	622														
1979 JUN 05	12:00E	10.0	0.254	H	14	1 220														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS

FRENCHMAN RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 11AC041

LOCATION: LAT 49 00 00 N LONG 107 18 06 W
DRAINAGE AREA: 5 480 km²
TYPE OF FLOW: REGULATED SINCE 1937
TYPE OF GAUGE: RECORDING

INTERNATIONAL GAUGING STATION

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 APR 07	12:00E		2.97	W	343	K	784	K														
1971 OCT 28	12:00E		0.136	H	17	R	885	R														
1972 APR 11	12:00E	7.8	4.45	H	275																	
1972 APR 13	12:00E		4.22	H	205																	
1972 APR 14	12:00E		4.05	H	211																	
1972 APR 15	12:00E		3.88	H	188																	
1972 APR 16	12:00E		3.78	H	173																	
1972 APR 17	12:00E		3.85	H	156																	
1972 APR 18	12:00E		4.02	H	151																	
1972 APR 19	12:00E		4.11	H	142																	
1972 APR 20	12:00E	7.2	3.88	H	157																	
1972 APR 21	12:00E		4.08	H	185																	
1972 APR 22	12:00E		4.16	H	177																	
1972 APR 23	12:00E		4.28	H	193																	
1972 APR 24	12:00E		4.25	H	191																	
1972 APR 25	12:00E		4.13	H	183																	
1972 APR 26	12:00E		4.30	H	187																	
1972 MAY 03	12:00E		1.77	H	188																	
1972 JUN 01	12:00E	23.0	1.30	V	186																	
1972 JUN 11	12:00E		2.78	H	790																	
1972 JUN 29	12:00E		0.518	V	75																	
1972 JUL 08	12:00E	20.8	0.170	V	40																	
1972 JUL 12	12:00E		0.388	H	49																	
1972 JUL 17	12:00E		0.706	H	82																	
1972 JUL 24	12:00E		1.33	H	85																	
1972 AUG 02	12:00E	21.0	0.442	H	51																	
1972 AUG 07	12:00E		0.450	H	51																	
1972 SEP 01	12:00E		0.001	H	1																	
1972 SEP 09	12:00E		0	H	0																	
1972 SEP 26	12:00E		0.010	H	40																	
1972 SEP 28	12:00E		0.006	H	35																	
1972 OCT 04	12:00E		0.006	H	39																	
1972 OCT 05	12:00E		0.004	H	35																	
1972 OCT 07	12:00E		0.006	H	34																	
1972 OCT 09	12:00E		0.001	H	40																	
1972 OCT 12	12:00E		0.002	H	40																	
1972 OCT 14	12:00E		0.001	H	32																	
1972 OCT 16	12:00E		0.002	H	27																	
1972 OCT 19	12:00E		0.001	H	16																	
1972 OCT 21	12:00E		0.001	H	16																	
1972 OCT 23	12:00E		0.034	H	17																	
1972 OCT 24	12:00E		0.300	H	17																	
1972 OCT 26	12:00E		0.368	H	13																	
1972 OCT 27	12:00E		0.368	H	13																	
1972 OCT 28	12:00E		0.317	H	16																	
1972 OCT 29	12:00E		0.215	H	19																	
1972 OCT 31	12:00E	0.5	0.081	V	17																	
1978 MAR 28	12:00E	0.5	7.45	W	509		440															
1978 MAR 29	12:00E	0.5	15.3	W	811		283															
1978 APR 01	16:20	0.5	32.0	H	908	A	180		43	50	58	66	78	85	97	100				14	38	50
1978 APR 05	12:00E		8.88	H	289		247															
1978 APR 11	12:00E	5.5	3.99	H	183		378															
1978 APR 20	12:00E	5.0	4.84	H	124		435															
1978 MAY 01	12:00E	13.0	4.76	H	185		406															
1978 MAY 10	12:00E	13.5	4.45	H	132		390															
1978 MAY 31	12:00E	12.5	0.782	H	52		547															
1978 JUN 20	12:00E	16.5	0.481	H	39		648															
1978 AUG 01	12:00E	16.5	0.445	H	131		478															
1978 AUG 10	12:00E	22.5	0.951	H	87		566															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS
Y - DAILY MEAN; ESTIMATED

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL R - SAMPLES COLLECTED IN SEVERAL VERTICALS
A - AUTOMATIC SAMPLING

DISSOLVED SOLIDS SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL R - SAMPLES COLLECTED IN SEVERAL VERTICALS

FRENCHMAN RIVER BELOW VAL MARIE - STATION NO. 11AC051

LOCATION LAT 49 11 50 N LONG 107 41 17 W
DRAINAGE AREA 4 470 km²
TYPE OF FLOW REGULATED SINCE 1937
TYPE OF GAUGE RECORDING

INTERNATIONAL GAUGING STATION

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 SEP 05	12 40	11.0	0.085 H	51	873														
1972 SEP 05	12 41E	11.0	0.085 H	44															
1972 OCT 04	18 30	8.0	0.079 H	35	933														
1972 OCT 04	18 31E	8.0	0.079 H	38															

TIME SYMBOL E - ESTIMATED
DISCHARGE SYMBOL(S) H - DAILY MEAN

GAINSBOROUGH CREEK NEAR STORTHOAKS - STATION NO. 05NF013

LOCATION LAT 49 24 51 N LONG 101 31 38 W
DRAINAGE AREA 712 km²
TYPE OF FLOW NATURAL
TYPE OF GAUGE RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1974 APR 18	12 00E	1.5	0.80 H	118															
1974 APR 25	12 00E	11.0	8.52 H	20															
1975 APR 10	16 45		83.0	838 G		15	20	35	55	74	80	86	88	99	100		10	70	20

TIME SYMBOL E - ESTIMATED
DISCHARGE SYMBOL(S) H - DAILY MEAN
CONCENTRATION SYMBOL(S) G - SAMPLING BY "GRAB" METHOD

GAP CREEK ABOVE JUNCTION RESERVOIR - STATION NO. 05NA072

LOCATION LAT 49 54 05 N LONG 108 34 41 W
DRAINAGE AREA 582 km²
TYPE OF FLOW REGULATED
TYPE OF GAUGE MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 APR 05	11 00	6.2	0.184 H	21	780														
1972 APR 05	11 05	6.2	0.184 H	42	734														
1972 APR 05	11 10	6.2	0.184 H	57															

DISCHARGE SYMBOL(S) H - DAILY MEAN

GOOSEHUNTING CREEK NEAR BEATTY - STATION NO. 05KA009

LOCATION: LAT 52 54 28 N LONG 104 50 16 W
DRAINAGE AREA: 510 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 APR 26	14:25	10.5	16.5	H	50															
1972 APR 26	14:30	10.5	16.5	H	49	197														
1972 APR 26	14:35	10.5	16.5	H	49	192														
1972 APR 26	14:40	10.5	16.5	H	53															

DISCHARGE SYMBOL(S): H - DAILY MEAN

HAULTAIN RIVER ABOVE NORBERT RIVER - STATION NO. 06BD001

LOCATION: LAT 58 14 40 N LONG 106 33 40 W
DRAINAGE AREA: 3 880 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1983 MAY 12	12:00E	7.0	25.5	H	1	34														
1983 AUG 10	12:00E	20.0	15.1	H	3	43														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

INDIANHEAD CREEK NEAR INDIAN HEAD - STATION NO. 05JL002

LOCATION: LAT 50 38 42 N LONG 103 36 14 W
DRAINAGE AREA: 327 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1970 APR 07	12:00E		18.7	H	1 010	155														
1970 APR 08	12:00E		10.5	H	934	177														
1970 APR 09	12:00E		4.22	H	458	181														
1970 APR 10	12:00E		2.81	H	288	215														
1970 APR 13	12:00E		0.389	H	40	318														
1970 APR 15	12:00E		0.125	H	18	432														
1970 MAY 08	12:00E		0.687	Y	105	371														
1971 APR 12	12:00E		1.38	H	149	318														
1971 APR 15	12:00E	4.0	0.803	H	41	444														
1971 APR 20	12:00E	5.0	0.320	H	31	594														
1971 APR 25	12:00E	8.0	0.093	H	7	722														
1973 MAR 13	12:00E	0.1	0.085	W	31															
1974 APR 16	12:00E	1.0	3.88	W	141															
1974 APR 20	12:00E	5.0	8.55	H	1 510															
1974 APR 24	12:00E	10.0	1.10	H	92															
1974 APR 26	12:00E	14.5	0.784	H	88															
1974 MAY 01	12:00E	8.0	0.300	H	40															
1974 MAY 06	12:00E	11.0	0.108	H	21															
1974 MAY 13	12:00E	10.5	0.139	H	8															
1975 APR 16	12:00E	0.5	12.9	H	527															
1975 APR 21	12:00E	0.5	4.84	H	433															
1975 APR 25	12:00E	5.5	1.73	H	186															
1976 APR 04	12:00E	0.5	8.52	W	234															
1976 APR 05	18:30	0.5	18.0		675 K		23	31	43	52	64	75	84	91	95	97		25	44	31
1976 APR 12	12:00E		1.86	H	182															
1976 APR 22	12:00E	3.5	0.385	H	28															
1976 APR 29	12:00E		0.085	Y	7															
1978 MAR 29	12:00E	1.0	8.47	H	325	229														
1978 APR 01	12:00E	0.5	1.16	H	88	288														
1978 APR 05	12:00E	1.0	0.343	H	47	380														
1979 APR 20	12:00E		25.9	W	1 590	175														
1979 APR 21	12:05	1.0	21.6		875 K	181	19	25	36	47	60	71	85	93	97	99		39	46	25
1979 APR 24	12:00E	3.0	3.30	H	436	289														
1979 APR 28	12:00E	4.0	0.693	H	80	476														
1979 MAY 02	12:00E	3.0	0.129	H	24	675														
1979 MAY 10	12:00E	4.0	0.268	Y	54	740														
1980 MAR 31	12:00E	0.5	8.46	W	296	180														
1980 APR 02	14:30	1.0	5.23		571 K	158	22	28	35	46	60	78	92	98	99	100		22	52	26
1980 APR 05	12:00E	1.0	2.82	H	429	236														
1980 APR 10	12:00E	2.0	0.386	H	194	411														
1980 APR 12	12:00E	4.0	0.123	H	43	414														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN Y - DAILY MEAN, MANUAL GAUGE W - DAILY MEAN, ICE CONDITIONS
Y - DAILY MEAN, ESTIMATED

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

JEWEL CREEK NEAR GOODWATER - STATION NO. 05NB014

LOCATION: LAT 49 23 10 N LONG 103 42 42 W
DRAINAGE AREA 209 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1978 MAR 29	12:00E	1.0	8.89	W	95	80														
1978 MAR 31	12:00E	1.0	3.28	W	32	70														
1978 APR 04	12:00E	4.5	0.510	H	13	125														
1978 APR 10	12:00E	5.0	0.130	H	13	176														
1978 JUL 11	12:00E		10.8	H	18	147														
1979 APR 18	12:00E	0.5	8.85	W	80	159														
1979 APR 20	12:00E	0.5	18.0	W	151	111														
1979 APR 25	12:00E	5.0	8.05	H	25	71														
1979 MAY 01	12:00E		2.18	H	10	111														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS

JUMPING DEER CREEK NEAR LIPTON - STATION NO. 05JK004

LOCATION: LAT 50 55 10 N LONG 103 53 57 W
DRAINAGE AREA: 1 880 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1970 APR 07	12:00E				28	238														
1970 APR 09	12:00E				15	419														
1970 APR 13	12:00E				9	417														
1973 MAR 21	12:00E	1.1	0.027	H	6															
1974 APR 20	12:00E	7.5	4.26	H	10															
1974 APR 24	12:00E	7.5	0.826	H	3															
1974 MAY 01	12:00E	6.0	0.416	H	2															
1974 MAY 13	12:00E	12.0	0.246	H	16															
1974 JUN 17	12:00E	16.5	0.051	H	65															
1974 JUL 24	12:00E		0.010	H	89															
1975 APR 17	12:00E	0.1	1.14	W	28															
1975 APR 24	12:00E	3.0	1.88	H	10															
1977 APR 12	12:00E	8.0	0.076	H	17															
1977 APR 26	12:00E	15.0	0.004	H	40															
1977 MAY 11	12:00E	22.0	0.076	H	220															
1978 MAY 08	12:00E		0.136	H	181	1 840														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN, ICE CONDITIONS

LEATHER RIVER BELOW PRESBYTERIAN RIVER - STATION NO. 05KB010

LOCATION: LAT 53 02 26 N LONG 104 01 33 W
DRAINAGE AREA: 1 340 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 APR 05	16:15	1.0			626	K	94	88	79	67	50	34	17	09	100			5	28	66
1975 APR 10	12:00E	4.0			312															
1975 APR 12	12:00E	6.5			238															
1975 APR 16	12:00E	8.0			179															
1975 APR 23	12:00E	7.0			32															

TIME SYMBOL: E - ESTIMATED

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

LEATHER RIVER NEAR STAR CITY - STATION NO. 05KB005

LOCATION: LAT 52 50 32 N LONG 104 14 24 W
DRAINAGE AREA: 165 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 APR 28	10:40	4.0	16.8	H	87	177														
1972 APR 28	10:45	4.0	16.8	H	88	178														
1974 APR 20	12:00E		30.0	H	270															
1974 APR 24	12:00E		7.84	H	25															
1975 APR 21	12:00E		3.77	W	33															
1975 APR 25	12:00E		6.43	H	13															
1975 APR 29	12:00E		11.3	H	70															
1975 MAY 02	12:00E		5.58	H	10															
1975 MAY 05	12:00E		2.08	H	11															
1977 APR 11	12:00E	1.5	1.70	W	28	312														
1977 APR 13	12:00E	1.5	1.37	W	50															
1977 APR 14	12:00E	4.0	1.19	H	29	384														
1978 APR 12	12:00E	0.5	2.65	W	42	224														
1978 APR 14	12:00E	0.5	4.84	W	20	220														
1978 APR 17	12:00E		3.85	W	27	209														
1978 APR 19	12:00E	0.5	7.90	W	51	171														
1978 APR 24	12:00E	1.0	4.11	H	17	230														
1979 APR 25	12:00E	2.5	14.8	H	74	166														
1979 APR 30	12:00E	1.0	7.90	H	14	216														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS

LONG CREEK AT WESTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO. 05MA003

LOCATION: LAT 49 00 01 N LONG 103 21 08 W
DRAINAGE AREA: 3 210 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INTERNATIONAL GAUGING STATION

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 APR 23	12:00E	3.5	27.9	H	80															
1975 APR 25	12:00E	7.0	60.3	H	105															
1975 JUN 11	12:00E	18.5	4.13	H	80															
1975 JUL 08	12:00E	25.5	0.046	H	51															
1975 OCT 30	12:00E	3.0	0.037	V	12															
1976 APR 22	12:00E		7.38	H	22															
1976 JUN 01	12:00E	23.0	0.311	H	15															
1976 JUN 15	12:00E	17.5	30.6	H	207															
1976 JUN 30	12:00E	16.5	3.78	H	15															
1976 JUL 28	12:00E	25.5	0.430	H	28															
1977 MAR 14	12:00E	0.1	0.079	W	40															
1977 APR 05	12:00E	0.1	0.105	W	9															
1977 MAY 18	12:00E	15.5	0.016	H	22															
1978 MAR 25	12:00E	1.5	15.4	W	59	288														
1978 MAR 28	12:00E	1.5	13.8	W	65	278														
1978 MAR 30	12:00E	3.0	30.3	H	78	308														
1978 APR 04	12:00E	4.0	11.1	H	65	263														
1978 APR 11	12:00E	5.0	2.87	H	45	451														
1978 APR 18	12:00E	8.5	1.51	H	35	637														
1978 APR 25	12:00E	9.0	1.08	H	23	805														
1978 MAY 16	12:00E	18.0	0.536	H	9	1 270														
1978 JUN 08	12:00E	17.0	0.286	H	14	2 230														
1978 JUN 27	12:00E		0.187	H	10	1 640														
1978 JUL 07	12:00E		1.14	H	22	1 210														
1978 JUL 11	12:00E		5.82	H	28	507														
1978 JUL 14	12:00E		83.7	H	59	243														
1978 JUL 18	12:00E		18.5	H	6	298														
1978 JUL 31	12:00E		1.83	H	13	648														
1978 OCT 05	12:00E	9.0	1.40	H	10	570														
1979 APR 22	12:00E	3.0	118	H	163	283														
1979 APR 24	12:00E		84.2	H	133	211														
1979 APR 27	12:00E		36.5	H	85	246														
1979 MAY 30	12:00E		2.41	H	11	752														
1981 FEB 20	12:00E	1.0	2.68	H	85	315														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS

LONG CREEK NEAR MAXIM - STATION NO. 05NA004

LOCATION: LAT 49 15 32 N LONG 103 57 22 W
DRAINAGE AREA: 1 780 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 APR 20	12:00E	1.5	2.49	W	132															
1975 APR 25	12:00E	7.0	52.7	H	126															
1975 MAY 05	12:00E	10.5	5.68	H	42															
1975 JUN 05	12:00E	16.0	0.088	H	8															
1976 MAR 30	12:00E	0.5	49.0	H	82															
1976 APR 04	12:00E	9.5	49.8	H	77															
1976 APR 13	12:00E	10.5	4.58	H	21															
1976 MAY 04	12:00E	11.5	0.620	H	3															
1976 JUN 15	12:00E	16.0	23.8	H	86															
1976 JUN 29	12:00E	11.0	2.33	H	3															
1976 JUL 27	12:00E	22.0	0.119	H	23															
1978 MAR 26	12:00E	0.5	17.8	W	59	222														
1978 MAR 28	12:00E	5.0	27.5	H	80	193														
1978 MAR 30	12:00E	8.5	28.4	H	55	165														
1978 APR 04	12:00E		8.41	H	60	185														
1978 APR 11	12:00E	5.0	1.48	H	33	229														
1978 APR 18	12:00E	4.0	1.08	H	23	282														
1978 APR 24	12:00E	9.5	0.834	H	11	351														
1978 JUN 28	12:00E	20.0	3.60	H	228	277														
1978 JUL 07	12:00E		2.89	H	2	486														
1978 JUL 10	12:00E		57.8	H	81	233														
1978 JUL 11	12:00E		81.6	H	110	200														
1978 JUL 20	12:00E		5.85	H	3	320														
1978 JUL 31	12:00E		1.55	H	1	350														
1978 OCT 05	12:00E		0.903	H	2	451														
1979 APR 19	12:00E	1.0	33.4	W	68	291														
1979 APR 21	12:00E	5.0	112	H	122	200														
1979 APR 23	12:00E	8.0	63.5	H	84	186														
1979 APR 27	12:00E	9.0	16.5	H	39	222														
1979 MAY 30	12:00E		1.23	H	2	512														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS

MCDONALD CREEK NEAR MCCORD - STATION NO. 05JA003

LOCATION: LAT 49 26 14 N LONG 108 50 05 W
DRAINAGE AREA: 289 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1982 FEB 23	12:00E	0.1	2.38	W	57	210														
1982 MAR 15	12:00E	0.1	8.37	W	143	140														
1982 MAR 17	12:00E	0.1	1.43	W	49	186														
1982 MAR 18	12:00E	0.1	0.763	W	43	181														
1982 MAR 23	12:00E	0.1	0.528	W	25	241														
1982 MAR 25	12:00E	0.1	1.36	W	79	221														
1982 MAR 31	12:00E	0.1	2.02	W	130	213														
1982 APR 06	12:00E		0.275	W	40	841														
1982 APR 07	12:00E		0.158	W	28	767														
1982 APR 13	12:00E	1.0	1.05	W	181	436														
1983 JUL 11	12:00E	20.0	0.312	H	58	2 240														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS

MELFORT CREEK NEAR MELFORT - STATION NO. 05KB001

LOCATION: LAT 52 50 29 N LONG 104 32 26 W
DRAINAGE AREA: 417 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 APR 27	14:30	9.0	32.6	H	38																
1972 APR 27	14:31E	9.0	32.6	H	40		256														
1972 APR 27	14:32E	9.0	32.6	H	36																
1974 APR 20	12:00E		62.9	H	159																
1975 APR 21	12:00E				39																
1975 APR 26	12:00E				41																
1975 APR 29	12:00E				73																
1975 MAY 02	12:00E				33																
1975 MAY 05	12:00E				27																
1976 APR 06	12:00E	3.0			60																
1976 APR 08	12:00E	3.0			50																
1976 APR 10	12:00E	6.0			36																
1976 APR 12	12:00E	2.5			45																
1976 APR 13	12:00E	5.0			23																
1976 APR 15	12:00E	5.5			28																
1976 APR 23	12:00E	7.4			21																
1976 MAY 21	12:00E	16.5			8																

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

MOOSE JAW RIVER ABOVE THUNDER CREEK - STATION NO. 05JE001

LOCATION: LAT 50 20 46 N LONG 105 31 49 W
DRAINAGE AREA: 5 250 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1969 APR 18	18:00				231		178	68	76	82	86	88	90	92	95	97	98	100	10	14	76
1970 APR 03	11:45	0.5			76		430														
1970 APR 06	16:15	3.9			365		238	34	48	69	83	94	97	99	100				3	49	48
1970 APR 08	11:30	3.3			507		218														
1970 APR 10	10:30	4.4			380		224	69	77	90	96	98	99	100					1	22	77
1970 APR 13	11:30	5.6			531		238	76	86	94	96	98	99	100					1	13	86
1970 APR 17	11:30	4.4			501		206														
1970 APR 22	11:30	5.0			344		260														
1972 MAR 20	12:00E	1.0	2.38	W	107																
1972 MAR 23	12:00E	0.4	18.2	W	305																
1972 MAR 26	17:00	0.1	0.027	H	398	K		85	92	94	98	97	98	99	100				2	8	92
1972 MAR 28	12:00E		14.7	W	332																
1972 APR 05	12:00E	0.5	5.21	H	208																
1972 APR 12	12:00E	4.5	2.85	H	162																
1972 JUL 05	12:00E		0.034	H	30																
1972 AUG 01	12:00E	17.8	0.027	H	47																
1972 SEP 08	12:00E	11.0	0.008	H	24																
1972 OCT 04	12:00E	8.5	0.006	H	52																
1972 NOV 02	12:00E	0.8			10																

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

MOOSE JAW RIVER NEAR BURDICK - STATION NO. 05JE005

LOCATION: LAT 50 24 00 N LONG 105 23 50 W
DRAINAGE AREA: 9 230 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 MAR 20	12:00E	0.1	4.33	W	35		810														
1972 MAR 26	12:00E	0.1	0.232	H	347	K	268	78	84	92	95	98	98	99	100				2	14	84
1972 APR 05	12:00E	0.1	6.63	W	237		288														
1972 APR 12	12:00E	4.5	3.23	H	174		345														
1972 JUL 05	12:00E		0.062	H	18		699														
1972 AUG 01	12:00E	18.4	0.058	H	22		1 080														
1972 SEP 05	12:00E	14.4	0.040	H	8		1 380														
1972 OCT 04	12:00E	11.0	0.190	H	34		1 350														
1972 NOV 01	12:00E	2.0	0.187	H	32		1 590														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS
CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

MOOSE JAW RIVER NEAR ROULEAU - STATION NO. 05JE004

LOCATION: LAT 50 11 29 N LONG 104 59 08 W
DRAINAGE AREA: 2 990 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1973 APR 06	12:00E	3.9	0.017	H	47																

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN

SASKATCHEWAN

MOOSE MOUNTAIN CREEK NEAR OXBOW - STATION NO. 05ND004

LOCATION: LAT 49 13 58 N LONG 102 13 41 W
DRAINAGE AREA: 6 080 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1977 APR 19	12:00E	13.0	1.13	H	9															
1977 MAY 04	12:00E	15.0	0.561	H	8															
1977 MAY 17	12:00E	16.5	0.843	H	25															
1977 JUN 14	12:00E	16.0	0.479	H	7															
1977 NOV 08	12:00E		0.447	H	6															
1978 MAR 28	12:00E	1.5	2.14	W	11	273														
1978 MAR 30	12:00E	2.0	3.48	W	17	192														
1978 APR 01	12:00E		10.8	W	33	227														
1978 APR 04	12:00E	2.0	2.31	W	5	348														
1978 APR 10	12:00E	4.0	7.45	H	13	451														
1978 APR 17	12:00E	5.0	1.76	H	4	386														
1978 APR 26	12:00E	10.0	1.18	H	4	501														
1978 MAY 16	12:00E	17.0	1.18	H	1	811														
1978 JUN 07	12:00E	18.0	0.496	H	5	789														
1978 JUL 04	12:00E	26.0	0.204	H	11	907														
1978 OCT 03	12:00E	11.0	0.021	H	5	884														
1979 APR 18	12:00E	0.5	19.7	W	52	549														
1979 APR 21	12:00E	1.0	88.3	W	228	187														
1979 APR 24	12:00E	3.0	45.2	H	48	240														
1979 APR 28	12:00E	3.5	29.6	H	21	247														
1979 APR 30	12:00E	5.0	18.0	H	12	322														
1979 MAY 15	12:00E	11.0	9.80	H	5	241														
1979 MAY 30	12:00E	15.0	4.34	H	2	516														
1979 JUL 04	12:00E	24.0	2.21	H	4	701														
1979 AUG 01	12:00E	25.0	0.085	H	7	443														
1980 APR 02	12:00E	0.5	15.0	W	57	328														
1980 APR 03	12:00E	0.5	15.8	W	34	286														
1980 APR 10	12:00E	1.0	3.45	H	6	423														
1980 APR 14	12:00E	8.0	3.16	H	8	486														
1980 APR 28	12:00E	17.0	1.22	H	5	810														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN, ICE CONDITIONS

MUDJATIK RIVER NEAR FORCIER LAKE - STATION NO. 05BC001

LOCATION: LAT 66 05 30 N LONG 107 35 30 W
DRAINAGE AREA: 5 840 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1981 MAY 05	12:00E	5.0	33.8	H	24	57														
1981 JUL 13	12:00E	20.0	32.1	H	4	40														
1981 OCT 16	12:00E	5.0	11.9	H	2	36														
1982 MAY 08	12:00E	5.0	48.8	H	28	58														
1982 AUG 18	12:00E	17.0	38.0	H	7	38														
1982 OCT 07	12:00E	4.0	35.8	H	7	44														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

NASHLYN CANAL NEAR CONSUL - STATION NO. 11AB018

LOCATION: LAT 49 13 56 N LONG 109 33 27 W
DRAINAGE AREA: km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INTERNATIONAL GAUGING STATION

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1979 MAY 01	12:00E	9.5	0.807	H	20	287														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN

NORTH SASKATCHEWAN RIVER AT PRINCE ALBERT - STATION NO. 05GG001

LOCATION: LAT 53 12 10 N LONG 105 46 06 W
DRAINAGE AREA: 131 000 km²
TYPE OF FLOW: REGULATED SINCE 1962
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JAN 31	12:00E	0.5	108	W	14															
1975 MAR 22	12:00E	0.5	107	W	9															
1975 APR 22	12:00E	8.0	388	H	184															
1975 MAY 13	12:00E		206	H	84															
1975 MAY 19	12:00E	14.0	187	H	57															
1975 JUN 03	12:00E	18.0	185	H	35															
1975 JUN 11	12:00E	18.0	204	H	62															
1975 JUN 18	12:00E	18.0	178	H	40															
1975 JUN 29	12:00E	19.0	274	H	70															
1975 JUL 01	12:00E	19.0	233	H	53															
1975 AUG 02	12:00E	17.0	218	H	59															
1975 AUG 05	12:00E	22.0	150	V	40															
1975 SEP 14	12:00E	15.0	225	H	44															
1975 SEP 24	12:00E	14.0	231	H	41															
1975 OCT 15	12:00E	3.0	213	H	49															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE W - DAILY MEAN, ICE CONDITIONS

SASKATCHEWAN

PHEASANT CREEK NEAR ABERNETHY - STATION NO. 05JL005

LOCATION: LAT 50 44 00 N LONG 103 19 41 W
DRAINAGE AREA: 1 150 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1970 APR 07	12:00E		9.34	H	81	229														
1970 APR 08	12:00E		3.89	H	48	170														
1970 APR 11	12:00E		2.40	H	26	187														
1970 APR 14	12 00E		0.591	H	13	214														
1971 APR 10	12:00E	1.0	14.8	H	81	192														
1971 APR 11	12:00E	1.0	11.0	H	95	181														
1971 APR 26	12:00E	8.0	0.532	H	13	252														
1973 MAR 13	12:00E	1.0	0.051	W	57															
1973 MAR 15	12:00E	1.0	0.021	W	13															
1973 MAR 19	12:00E	2.0	0.054	W	12															
1973 MAR 23	12:00E	3.0	0.028	H	12															
1974 APR 19	12:00E	1.5	36.0	H	151															
1974 APR 20	12:00E	3.5	20.6	H	83															
1974 APR 24	12:00E	8.0	5.83	H	25															
1974 APR 26	12:00E	12.0	3.60	H	17															
1974 MAY 01	12:00E	11.0	1.42	H	13															
1974 MAY 08	12:00E	10 5	0.643	H	10															
1974 MAY 14	12:00E	9.0	1.04	H	3															
1974 JUN 18	12:00E	15.5	0.108	H	57															
1975 APR 30	12:00E	4.0	17.3	H	135															
1976 APR 05	12:00E	0.5	0.464	W	14															
1976 APR 07	12:00E	0.5	5.85	W	88															
1976 APR 27	12:00E		2.10	H	22															
1976 JUN 29	12:00E	18.5	1.95	H	12															
1977 MAY 11	12:00E	20.0	0.048	H	78															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS

PINTO CREEK NEAR WOODROW - STATION NO. 05JA004

LOCATION: LAT 49 39 53 N LONG 104 43 30 W
DRAINAGE AREA: 1 870 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1983 APR 05	12:00E	4.0	5.35	H	94	548														
1983 APR 12	12:00E	4.5	0.364	H	27	1 020														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

PIPESTONE CREEK NEAR MOOSOMIN - STATION NO. 05NE001

LOCATION: LAT 50 02 40 N LONG 101 40 33 W
DRAINAGE AREA: 3 850 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1973 MAR 07	12:00E	3.3	0.184	H	64															
1973 MAR 22	12:00E	3.9	0.147	H	73															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

PRESBYTERIAN RIVER ABOVE LEATHER RIVER - STATION NO. 05KB013

LOCATION: LAT 53 01 00 N LONG 104 01 12 W
DRAINAGE AREA: km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 APR 27	17:30	8.0		247	189														
1972 APR 27	17:33	9.0		248	174														
1972 APR 27	17:30	9.0		254	185														
1972 APR 27	17:40	9.0		267	175														
1972 APR 27	17:45	9.0		276	178														
1976 APR 08	16:30	1.0		489 K		78	87	94	97	97	98	99	100				2	11	87
1976 APR 10	12:00E	4.5		181															
1976 APR 12	12:00E	6.5		133															
1976 APR 15	12:00E	7.0		74															
1976 APR 23	12:00E	6.8		26															

TIME SYMBOL: E - ESTIMATED

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

QU'APPELLE RIVER ABOVE BUFFALO POUND LAKE - STATION NO. 05JG004

LOCATION: LAT 50 47 00 N LONG 105 48 31 W
DRAINAGE AREA: 2 630 km²
TYPE OF FLOW: REGULATED SINCE 1958
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 MAR 21	12:00E	0.6	0.187	W	57															
1972 MAR 24	12:00E		2.66	W	30															
1972 MAR 30	12:00E		0.541	W	44															
1972 APR 04	12:00E	0.1	0.699	W	17															
1972 APR 11	12:00E	0.1	1.29	W	14															
1972 JUL 04	12:00E		5.18	H	39															
1972 JUL 31	12:00E	21.7	5.21	H	17															
1972 SEP 06	12:00E	8.3	2.92	H	51															
1972 OCT 03	12:00E	11.7	0.085	H	26															
1972 NOV 02	12:00E	1.1	4.25	H	71															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN, ICE CONDITIONS

QU'APPELLE RIVER AT TANTALLON - STATION NO. 05JM003

LOCATION: LAT 50 31 58 N LONG 101 50 30 W
DRAINAGE AREA: 48 200 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1974 MAR 13	12:00E	0.5	2.84	W	17															
1974 APR 09	12:00E	0.5	3.20	W	30															
1974 MAY 15	12:00E	8.0	54.1	H	48															
1974 MAY 22	12:00E	8.5	61.3	H	63															
1974 JUN 19	12:00E	18.0	54.7	H	20															
1974 JUL 04	12:00E	10.2	37.8	H	31															
1974 JUL 16	12:00E	24.5	32.3	H	35															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS

QU'APPELLE RIVER NEAR LUMSDEN - STATION NO. 05JF001

LOCATION: LAT 50 39 18 N LONG 104 51 08 W
DRAINAGE AREA: 18 300 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1970 APR 09	15:30	1.7			398		204	63	74	89	95	97	99	100					1	25	74
1970 APR 11	16:00	3.3			442		286	42	54	71	86	93	97	98	100				3	43	54
1970 APR 14	14:45	4.4			384		222														
1970 APR 16	13:00	3.3			417		246	71	80	88	94	97	98	100					1	19	80
1970 APR 20	15:40	5.0			387		228	78	84	91	95	97	98	100					1	15	84
1970 APR 22	12:00E	1.1			312		250	75	83	88	92	95	98	99	100				2	15	83
1974 APR 17	12:00E	0.5	17.6	W	123																
1974 APR 25	12:00E		436	H	583																
1974 MAY 28	12:00E		85.4	H	182																
1974 MAY 31	12:00E		86.5	H	182																
1974 JUN 21	12:00E	22.8	7.53	Y	82																
1974 JUL 11	12:00E	24.4	2.52	H	40																
1974 JUL 22	13:00E	23.9	1.81	H	52																
1974 AUG 22	12:00E		1.78	Y	28																
1974 SEP 25	12:00E	12.8	2.25	H	37																
1974 OCT 09	12:00E		0.617	H	39																
1974 OCT 24	12:00E		1.04	Y	53																
1974 NOV 05	12:00E		0.834	Y	35																
1975 APR 20	12:00E		48.8	W	337																
1975 APR 24	12:00E		80.7	W	699																
1975 APR 25	12:00E		84.7	W	655																
1975 MAY 02	12:00E	7.0	127	H	358																
1975 MAY 09	12:10	11.0	118		367	K		86	74	82	87	91	94	96	97	99	100		6	20	74
1975 MAY 20	12:00E		42.8	H	396																
1975 JUN 05	12:00E		6.20	H	115																
1975 AUG 22	12:00E	15.0	2.04	H	258																
1977 APR 20	12:00E	8.0	0.858	H	23																
1977 MAY 06	12:00E	7.0	2.38	H	24																
1977 MAY 17	12:00E		3.11	H	41																
1977 JUN 09	12:00E	20.0	3.20	H	23																
1977 JUN 28	12:00E	20.0	2.84	Y	74																
1977 JUL 12	12:00E	20.0	6.09	H	181																
1977 AUG 04	12:00E	17.0	1.34	Y	77																
1977 AUG 31	12:00E	14.0	1.08	Y	81																
1977 SEP 29	12:00E	11.0	1.62	Y	56																
1977 NOV 01	12:00E	5.0	1.76	H	86																

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN Y - DAILY MEAN, MANUAL GAUGE W - DAILY MEAN, ICE CONDITIONS
Y - DAILY MEAN, ESTIMATED

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

QU'APPELLE RIVER NEAR WELBY - STATION NO. 05JM001

LOCATION: LAT 50 29 26 N LONG 101 33 26 W
DRAINAGE AREA: 50 800 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 MAY 05	12:00E	8.0	95.7	H	77																
1975 MAY 06	12:00E	5.5	97.7	H	67																
1975 JUN 10	12:00E	17.0	52.4	V	35																
1975 AUG 13	12:00E	20.0	15.1	V	174																
1975 SEP 30	12:00E	10.0	14.9	H	125																
1975 OCT 28	12:00E	3.0	14.6	H	91																
1975 NOV 18	12:00E	2.5	13.0	H	43																
1976 APR 11	16:00	5.0	144		648	K		55	66	82	87	90	91	94	97	99	100		9	25	66
1976 APR 13	12:00E		116	H	255																
1976 APR 20	12:00E	5.0	156	H	142																
1976 MAY 26	12:00E	17.0	55.5	H	44																
1976 JUN 22	12:00E	21.0	32.0	H	126																
1976 AUG 30	12:00E	18.5	13.8	H	149																
1976 SEP 30	12:00E	12.0	8.84	H	87																
1977 MAY 09	12:00E	19.5	3.54	H	139																
1977 MAY 24	12:00E	21.0	3.37	H	214																
1977 JUN 06	12:00E	23.0	3.57	H	150																
1977 JUL 04	12:00E	30.5	2.30	H	121																
1977 AUG 09	12:00E	19.0	1.16	H	155																
1977 SEP 06	12:00E	18.0	0.285	H	43																
1977 OCT 04	12:00E		0.785	H	48																
1977 OCT 24	12:00E	5.0	3.51	V	48																
1978 APR 17	12:00E	5.0	8.71	H	147		855														
1978 APR 27	12:00E	13.5	8.72	H	172		831														
1978 MAY 10	12:00E	14.0	4.88	H	141		870														
1978 JUN 01	12:00E	15.0	5.16	H	215	1	010														
1978 JUN 21	12:00E	15.0	3.74	H	148	1	030														
1978 JUL 05	12:00E	22.0	3.85	H	112		884														
1978 JUL 24	12:00E	24.5	1.78	H	89	1	020														
1978 AUG 15	12:00E	19.0	1.76	H	80		881														
1978 AUG 30	12:00E	18.0	0.521	H	34	1	010														
1978 OCT 04	13:00E	7.0	0.311	V	32	1	020														
1978 OCT 18	12:00E	2.0	2.28	H	30	1	060														
1978 NOV 02	12:00E	3.0	5.32	H	82	1	050														
1979 APR 26	12:00E	4.0	67.4	H	305		308														
1979 MAY 01	12:00E	4.0	52.5	H	179		865														
1979 MAY 14	12:00E	9.0	57.2	H	142		834														
1979 JUN 04	12:00E	17.0	34.3	H	92		818														
1979 JUL 09	12:00E	26.0	7.81	H	87	1	050														
1979 JUL 31	12:00E	21.5	4.57	V	48		838														
1979 AUG 28	12:00E		2.77	V	83	1	040														
1979 SEP 25	12:00E		2.12	V	104	1	040														
1979 NOV 05	12:00E	0.5	5.20	H	52	1	040														
1980 APR 17	12:00E	8.0	15.4	H	389		803														
1980 APR 28	13:00E	14.5	10.6	H	180	1	080														
1980 MAY 28	12:00E	22.0	2.36	V	108	1	070														
1981 MAY 11	12:00E		1.03	H	58		956														
1981 MAY 26	12:00E		0.866	H	53		894														
1982 APR 17	12:00E	1.5	26.1	H	281		387														
1982 APR 20	12:00E	3.0	12.4	H	179		770														
1982 APR 28	12:00E	9.0	25.6	H	326		752														
1982 MAY 04	14:15		32.7		261	K	798	21	27	39	58	77	93	99	100				7	66	27
1982 MAY 18	12:00E		26.0	H	111		867														
1982 JUN 02	12:00E		28.1	H	82	1	010														
1982 JUN 23	12:00E		4.11	H	80	1	060														
1982 JUL 20	12:00E		2.80	H	83	1	080														
1982 AUG 17	12:00E		3.82	H	89	1	080														
1982 SEP 22	12:00E		1.98	H	84	1	110														
1983 APR 21	11:00	1.5	84.7		510	K	318	48	55	73	79	84	88	93	97	99	100		12	30	58
1983 APR 28	12:00E		29.5	H	225		732														
1983 MAY 04	12:00E	8.0	38.8	H	185		886														
1983 MAY 16	12:00E	7.0	34.8	H	98		853														
1983 JUN 01	12:00E		17.0	H	106		884														
1983 JUN 16	12:00E		12.2	Y	125		871														
1983 JUN 27	12:00E		6.33	V	85	1	020														
1983 JUL 13	12:00E		8.88	Y	111		874														
1983 JUL 28	12:00E	21.0	10.8	H	103	1	010														
1983 AUG 08	12:00E	23.0	15.8	H	155	1	030														
1983 AUG 24	12:00E	18.0	5.17	V	75	1	030														
1983 SEP 08	12:00E	18.0	3.11	V	80	1	040														
1983 SEP 20	12:00E	8.5	5.14	V	51	1	040														
1983 OCT 11	12:00E	8.0	7.84	H	30	1	020														
1983 NOV 01	12:00E	5.0	6.88	H	38	1	050														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE Y - DAILY MEAN, ESTIMATED

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

SASKATCHEWAN

RED DEER RIVER NEAR ERWOOD - STATION NO. 05LC001

LOCATION LAT 53 51 38 N LONG 102 11 38 W
DRAINAGE AREA 11 000 km²
TYPE OF FLOW NATURAL
TYPE OF GAUGE RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1980 APR 14	12:00E	1.5	52.9	W	144	210														
1980 APR 15	12:00E	2.5	85.3	W	198	186														
1980 APR 22	12:00E	8.0	30.3	H	37	215														
1980 MAY 07	12:00E	12.5	8.34	H	10	343														
1980 JUN 17	12:00E	20.0	0.782	H	9	334														
1980 JUL 31	12:00E	17.0	1.63	V	41	214														
1980 SEP 04	12:00E	13.5	5.88	V	7	210														
1980 OCT 08	12:00E	8.0	4.67	H	1	203														
1980 NOV 07	12:00E	0.5	2.53	W	3	229														
1981 APR 22	12:00E	1.0	11.5	H	19	259														
1981 MAY 21	12:00E	17.0	8.32	H	4	321														
1981 JUN 24	12:00E	16.0	3.93	H	4	326														
1981 JUL 22	12:00E	20.5	8.18	H	4	255														
1981 AUG 28	12:00E	22.0	1.43	H	3	222														
1981 SEP 30	12:00E	5.0	3.84	H	1	282														
1982 APR 20	12:00E	1.5	47.1	W	100	186														
1982 APR 21	12:00E	2.0	38.2	W	45	186														
1982 APR 28	12:00E	7.0	36.7	H	52	213														
1982 MAY 12	12:00E	9.5	13.3	H	7	269														
1982 JUN 11	12:00E	14.0	28.7	H	8	292														
1982 JUN 23	12:00E	12.0	8.27	H	4	295														
1982 JUL 23	12:00E	18.0	8.81	H	5	309														
1982 OCT 06	12:00E	4.5	3.84	H	5	248														
1983 APR 22	12:00E	0.5	86.6	W	118	177														
1983 APR 23	12:00E	2.5	88.5	W	136															
1983 APR 24	12:00E	1.5	155	W	583	217														
1983 APR 25	12:00E	2.0	155	W	176															
1983 APR 26	12:00E	4.0	114	H	91	201														
1983 MAY 03	12:00E	3.0	47.1	H	23	274														
1983 JUN 01	12:00E	16.0	20.3	H	6	330														
1983 JUN 28	12:00E	19.0	13.8	H	6	293														
1983 JUL 27	12:00E	22.0	35.8	H	13	332														
1983 AUG 31	12:00E	23.0	3.14	H	3	295														
1983 OCT 05	12:00E	8.0	9.84	H	5	200														
1983 NOV 01	12:00E	3.0	4.18	H	2	253														

TIME SYMBOL E - ESTIMATED
DISCHARGE SYMBOL(S) H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE W - DAILY MEAN, ICE CONDITIONS

SASKATCHEWAN RIVER BELOW TOBIN LAKE - STATION NO. 05KD003

LOCATION LAT 53 42 10 N LONG 103 17 50 W
DRAINAGE AREA 289 000 km²
TYPE OF FLOW REGULATED
TYPE OF GAUGE RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 19	12:00E		736	V	12	211														
1971 JUN 07	12:00E		719	H	4	254														
1971 JUN 23	12:00E	17.5	895	H	3 R	288 R														
1974 APR 25	12:00E	2.2	3 450	H	22															
1980 JUN 11	12:00E	16.0	1 010	H	7 R	226 R														

TIME SYMBOL E - ESTIMATED
DISCHARGE SYMBOL(S) H - DAILY MEAN V - DAILY MEAN, ESTIMATED
CONCENTRATION SYMBOL(S) R - SAMPLES COLLECTED IN SEVERAL VERTICALS
DISSOLVED SOLIDS SYMBOL(S) R - SAMPLES COLLECTED IN SEVERAL VERTICALS

SASKATCHEWAN RIVER OLD CHANNEL - STATION NO. 05KH009

LOCATION: LAT 53 48 50 N LONG 102 58 20 W
DRAINAGE AREA: km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 JUN 28	12:00E	18.0	245	Y	351															
1972 JUL 04	12:00E	18.5	271	H	128															
1972 AUG 02	12:00E	18.5	130	Y	35															
1972 AUG 29	12:00E	23.3	52.4	H	12															
1972 SEP 26	12:00E	7.5	6.30	H	15															
1973 MAY 02	12:00E		51.8	H	51															
1973 JUL 10	12:00E	21.1	57.2	H	17															
1973 AUG 15	12:00E	18.5	5.24	H	11															
1973 SEP 27	12:00E		5.66	Y	5															
1973 OCT 31	12:00E	1.7	2.83	Y	13															
1974 APR 30	12:00E		388	H	277															
1974 MAY 29	12:00E		241	Y	71															
1974 AUG 26	12:00E	18.1	34.3	H	16															
1975 MAY 01	12:00E				13															
1975 APR 21	12:00E	0.5	40.2	H	5															
1975 MAY 20	12:00E	12.3	1.69	H	4															
1977 APR 14	12:00E	0.1	1.21	W	5	142														
1977 MAY 04	12:00E	8.0	12.3	H	10	218														
1977 JUN 22	12:00E	19.5	26.3	H	6	220														
1977 SEP 08	12:00E	13.0	13.1	H	3	213														
1977 OCT 12	12:00E		1.32	H	118	326														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE W - DAILY MEAN, ICE CONDITIONS
Y - DAILY MEAN, ESTIMATED

SHORT CREEK NEAR ROCHE PERCEE - STATION NO. 05NB021

LOCATION
DRAINAGE AREA: 1 210 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INTERNATIONAL GAUGING STATION

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1977 APR 05	12:00E	0.1	0.051	Y	22															
1977 MAY 18	12:00E	15.5	0.001	H	111															
1978 MAR 20	12:00E	1.5	0.248	W	287	843														
1978 MAR 23	12:00E	1.0	3.91	W	107	384														
1978 MAR 25	12:00E	1.5	2.83	W	190	484														
1978 MAR 28	12:00E	1.5	3.40	W	200	528														
1978 MAR 30	12:00E	7.0	3.11	H	98	537														
1978 APR 04	12:00E	5.0	1.12	H	23	759														
1978 APR 10	12:00E	7.0	0.388	H	24	881														
1978 APR 17	12:00E	7.0	0.184	H	18	1 080														
1978 APR 25	12:00E	12.0	0.093	H	24	1 220														
1978 JUN 08	12:00E	15.0	0.718	H	518	1 200														
1978 JUL 05	12:00E	22.0	2.81	H	133	688														
1979 APR 16	12:00E	0.1	3.45	W	225	768														
1979 APR 18	11:45	0.5	13.7	H	370 K	400	24	34	49	64	80	92	98	99	99	100		6	59	34
1979 APR 20	12:00E	3.0	31.2	H	311	388														
1979 APR 22	12:00E	3.5	21.8	H	271	337														
1979 APR 24	12:00E	3.5	18.5	H	228	508														
1979 APR 26	12:00E	4.0	15.4	H	187	503														
1979 APR 30	12:00E	6.0	7.84	H	147	492														
1979 MAY 14	12:00E	9.0	2.74	H	34	700														
1979 MAY 30	12:00E	14.0	0.859	H	21	1 030														
1980 MAR 31	12:00E	0.5	0.720	H	41	738														
1980 APR 02	12:00E	0.5	0.715	H	30	941														
1980 APR 04	12:00E	1.0	0.458	H	23	1 110														
1980 APR 10	12:00E	1.0	0.232	H	138	1 100														
1980 APR 15	12:00E	5.0	0.735	H	25	1 210														
1980 APR 21	12:00E	14.0	0.215	H	25	1 180														
1981 FEB 17	12:00E	1.5	1.25	W	224	368														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS Y - DAILY MEAN; ESTIMATED

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

SASKATCHEWAN

SOURIS RIVER NEAR GLEN EWEN - STATION NO. 05ND001

LOCATION: LAT 49 11 02 N LONG 102 01 42 W
DRAINAGE AREA: 22 100 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 MAR 19	12:00E	0.5	0.394	W	314															
1975 APR 18	12:00E	1.0	45.3	W	209															
1975 APR 21	12:00E	0.5	75.5	H	132															
1975 APR 28	12:00E	5.5	108	H	119															
1975 MAY 01	12:00E	7.5	159	H	127															
1975 MAY 06	12:00E	10.5	155	H	93															
1975 MAY 13	12:00E	15.5	135	H	136															
1975 JUN 18	12:00E	19.5	20.9	H	61															
1975 JUL 16	12:00E	26.5	2.40	H	62															
1975 AUG 28	12:00E	20.0	1.57	H	21															
1975 SEP 24	12:00E	13.5	7.14	H	36															
1975 OCT 30	12:00E	3.0	1.82	H	58															
1977 APR 04	12:00E	0.1	0.813	W	13															
1977 APR 19	12:00E	12.5	1.64	H	14															
1977 MAY 04	12:00E	15.0	0.770	H	13															
1977 MAY 18	12:00E	16.0	0.799	H	61															
1977 JUN 13	12:00E	17.5	0.806	H	40															
1977 JUL 06	12:00E	23.5	0.102	H	35															
1978 APR 01	12:00E	0.5	16.5	W	80	301														
1978 APR 04	12:00E		48.7	H	176	579														
1978 APR 10	12:00E		19.4	H	88	484														
1978 APR 17	12:00E	6.5	10.7	H	40	498														
1978 APR 25	12:00E	9.5	5.15	H	22	630														
1978 MAY 15	12:00E	17.5	3.88	H	10	636														
1978 JUN 07	12:00E	17.0	4.28	H	20	633														
1978 JUL 04	12:00E	25.0	2.88	H	35	582														
1978 JUL 12	12:00E	23.0	18.1	H	211	588														
1978 JUL 20	12:00E	24.0	33.1	H	87	549														
1978 AUG 09	12:00E	21.0	2.94	H	29	613														
1978 SEP 06	12:00E	20.0	0.946	H	24	587														
1978 OCT 03	12:00E	11.0	3.40	H	20	555														
1978 OCT 31	12:00E	2.5	0.521	H	10	742														
1980 APR 04	12:00E	0.5	14.7	W	84	361														
1980 APR 07	12:00E	0.5	8.96	W	30	355														
1980 APR 10	12:00E	0.5	6.59	W	37	387														
1980 APR 14	12:00E	5.0	8.78	H	64	545														
1980 APR 21	12:00E	15.0	5.42	H	32	780														
1980 APR 28	12:00E	17.0	2.88	H	17	728														
1980 MAY 26	12:00E	21.0	0.374	H	88	803														
1981 APR 28	12:00E	9.5	0.165	H	18	742														
1981 JUN 02	12:00E	20.5	0.026	H	5	838														
1982 APR 16	12:00E	1.5	139	W	160	164														
1982 APR 22	12:00E	9.0	81.9	H	89	452														
1982 APR 24	12:00E	11.5	80.1	H	97	439														
1982 APR 28	12:00E	10.0	82.0	H	88	309														
1982 MAY 04	12:00E	13.5	80.2	H	121	225														
1982 MAY 25	12:00E	19.5	7.80	H	82	441														
1982 JUN 21	12:00E	20.5	1.83	H	10	694														
1982 JUL 28	12:00E	24.0	1.70	H	23	688														
1982 SEP 01	12:00E	17.0	0.085	H	15	811														
1982 OCT 25	12:00E	7.0	0.423	H	8	1 030														
1983 APR 19	12:00E	8.0	48.0	H	110	349														
1983 APR 20	12:00E	9.0	56.9	H	149	323														
1983 APR 23	12:00E	12.0	49.6	H	89	313														
1983 APR 27	12:00E	9.5	33.2	H	99	250														
1983 MAY 30	12:00E	14.0	7.44	H	35	513														
1983 JUN 29	12:00E	20.0	1.80	H	10	583														
1983 JUL 25	12:00E	26.5	0.593	H	15	583														
1983 AUG 31	12:00E	22.5	0.083	H	14	711														
1983 SEP 26	12:00E	13.0	0.013	V	10	758														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE W - DAILY MEAN, ICE CONDITIONS

SOURIS RIVER NEAR HALBRITE - STATION NO. 05NB017

LOCATION: LAT 49 29 37 N LONG 103 38 44 W
DRAINAGE AREA: 3 180 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1977 APR 05	12:00E	1.5	0.076	W	20																	
1977 APR 14	12:00E	8.5	0.127	H	17																	
1977 MAY 18	12:00E		0.093	H	53																	
1978 MAR 29	12:00E	0.5	11.8	W	83		486															
1978 APR 03	12:00E		2.47	H	68		266															
1978 APR 10	12:00E	5.0	3.78	H	69		267															
1978 APR 25	12:00E	9.0	0.507	H	34		449															
1978 JUN 01	12:00E	13.0	0.402	H	21		367															
1978 JUL 06	12:00E		2.70	H	55		380															
1978 AUG 01	12:00E		0.218	H	17		1 200															
1978 OCT 06	12:00E		0.337	H	21		758															
1979 APR 20	12:00E	0.5	29.8	W	127		305															
1979 APR 22	12:00E	3.0	98.2	H	251		145															
1979 APR 23	14:20	3.0	115		208	K	141		38	44	77	90	91	93	98	98	100			7	49	44
1979 APR 26	12:00E	5.5	82.2	H	215		146															
1979 APR 30	12:00E	6.5	38.8	H	247		165															
1979 MAY 03	14:25	6.0	33.8		282	K	170		75	83	90	94	97	98	99	100				2	15	83
1979 MAY 10	11:20	5.0	28.4		298	K	194		78	82	92	94	95	95	97	99	100			5	13	82
1979 JUN 20	12:00E		2.90	H	204		271															
1979 JUL 18	12:00E		0.870	H	120		308															
1980 MAR 28	12:00E	0.5	1.61	W	62		429															
1980 MAR 31	12:00E	2.0	5.07	W	53		438															
1980 APR 03	12:00E	2.0	0.954	W	35		500															
1980 APR 08	12:00E	5.0	4.46	W	66		294															
1980 APR 14	12:00E	9.0	1.12	H	49		280															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN, ICE CONDITIONS
CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

SOUTH SASKATCHEWAN RIVER AT SASKATOON - STATION NO. 05HG001

LOCATION: LAT 52 08 28 N LONG 106 38 40 W
DRAINAGE AREA: 141 000 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 JUN 24	12:00E	17.4	1 090	H	2 110																	
1976 JUN 30	12:00E	18.0	860	H	257																	

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN

SOUTH SASKATCHEWAN RIVER NEAR LEMSFORD - STATION NO. 05HB001

LOCATION: LAT 51 01 20 N LONG 109 07 30 W
DRAINAGE AREA: 119 000 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 JAN 21	12:00E	0.1			8																
1971 FEB 08	12:00E	0.1			15																
1971 FEB 17	12:00E	0.1			66																
1971 FEB 25	12:00E	0.1			73																
1971 MAR 01	12:00E	0.1			58																
1971 MAR 11	12:00E	0.1			33																
1971 MAR 16	12:00E	0.3			27																
1971 MAR 31	12:00E	0.1			47																
1971 APR 01	12:00E	0.8			142																
1971 APR 15	12:00E				2 720																
1971 MAY 04	12:00E	15.5			311																
1971 MAY 31	12:00E	15.5			479																
1971 JUN 28	12:00E	18.5			375																
1971 JUL 28	12:00E	20.2			322																
1971 AUG 30	12:00E	20.4			124																
1971 SEP 30	12:00E				180																
1971 NOV 01	12:00E	2.0			49																
1975 JUN 24	17:15	18.2	2 890		5 700	R		18	27	48	63	78	85	92	96	98	99		15	58	27
1975 JUN 25	12:00E	18.8	2 340	H	4 020																
1975 JUN 26	12:00E		1 740	H	2 980																

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN
CONCENTRATION SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

SPRUCE (LITTLE RED) RIVER NEAR PRINCE ALBERT - STATION NO. 05GG002

LOCATION: LAT 53 13 17 N LONG 105 43 15 W
DRAINAGE AREA: 1 670 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 MAY 10	12:00			12	648														

SWAN RIVER NEAR NORQUAY - STATION NO. 05LE003

LOCATION: LAT 51 59 52 N LONG 102 04 26 W
DRAINAGE AREA: 1 920 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1981 MAY 13	13:00E	12.5	4.65	H	32	305														
1981 JUN 04	12:00E	21.0	1.06	H	17	413														
1981 JUN 17	12:00E	18.5	2.16	H	28	434														
1981 JUN 30	12:00E	22.0	2.78	H	14	382														
1981 JUL 22	12:00E	19.0	2.77	H	36	333														
1981 AUG 05	12:00E	18.5	2.89	H	49	320														
1981 NOV 03	12:00E	1.0	10.3	V	86	280														
1982 APR 27	11:30	10.0	12.3		266	K 151	20	25	45	71	86	95	98	100				5	70	25
1982 MAY 05	12:00E	11.0	6.12	H	72	202														
1982 JUN 08	12:00E	17.0	4.31	H	28	299														
1982 JUL 21	13:25	18.5	20.3		331	K 256	23	29	51	73	87	94	98	100				5	65	29
1982 JUL 27	12:00E	20.0	8.34	H	108	285														
1982 OCT 08	12:00E	4.5	2.80	H	13	377														
1983 APR 26	12:00	2.0	43.9		341	K 192	10	20	38	60	78	92	98	99	100			8	72	20
1983 MAY 04	12:00E	5.0	20.1	H	174	194														
1983 MAY 18	12:00E	9.5	17.7	H	116	222														
1983 MAY 31	12:00E	12.0	8.15	V	67	254														
1983 JUL 05	12:00E	13.0	25.2	V	238	435														
1983 AUG 04	12:00E	24.0	6.36	H	38	277														
1983 AUG 31	12:00E	21.0	0.673	H	8	364														
1983 SEP 28	12:00E	10.0	3.03	H	23	279														
1983 NOV 02	12:00E	1.0	1.82	H	27	325														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE
CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

SWEETWATER CREEK NEAR STAR CITY - STATION NO. 05KB012

LOCATION: LAT 52 50 30 N LONG 104 22 19 W
DRAINAGE AREA: km²
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 APR 27	11:35	7.0			61	207														
1976 APR 05	12:00E	1.5			99															
1976 APR 08	12:00E	4.0			89															
1976 APR 10	12:00E	5.0			14															
1976 APR 12	12:00E	4.5			13															
1976 APR 13	12:00E	11.0			7															
1976 APR 15	12:00E	7.8			6															
1976 APR 23	12:00E	8.0			3															

TIME SYMBOL: E - ESTIMATED

SWIFT CURRENT CANAL AT SWIFT CURRENT - STATION NO. 05HD034

LOCATION: LAT 50 16 03 N LONG 107 48 43 W
DRAINAGE AREA: km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 SEP 05	12:00E	17.0	0	H	8															
1972 OCT 03	12:00E	11.0	0	H	8															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN

SWIFT CURRENT CREEK AT SWIFT CURRENT - STATION NO. 05HD007

LOCATION: LAT 50 16 50 N LONG 107 46 40 W
DRAINAGE AREA: 3 260 km²
TYPE OF FLOW: REGULATED SINCE 1942
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 SEP 05	17:20	17.0	0.384 H	11	456														
1972 SEP 05	17:21E	17.0	0.384 H	5															
1972 OCT 03	15:45	11.0	0.445 H	8	472														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

SWIFT CURRENT CREEK BELOW PELLETIER CREEK - STATION NO. 05HD030

LOCATION: LAT 50 08 53 N LONG 107 53 47 W
DRAINAGE AREA: 2 910 km²
TYPE OF FLOW: REGULATED SINCE 1942
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 OCT 04	09:45	7.0	0.360 H	5	481														

DISCHARGE SYMBOL(S): H - DAILY MEAN

SWIFT CURRENT CREEK BELOW ROCK CREEK - STATION NO. 05MD036

LOCATION: LAT 49 50 39 N LONG 108 28 46 W
DRAINAGE AREA: 1 430 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1974 APR 01	12:00E	0.0	8.55	W	41															
1974 APR 02	12:00E	0.0	8.24	W	52															
1974 APR 10	12:00E	1.1	10.7	W	84															
1974 APR 13	12:00E		4.98	W	54															
1974 MAY 07	12:00E	11.7	1.10	H	10															
1974 JUL 08	12:00E	23.0	0.125	H	13															
1974 AUG 16	12:00E	14.4	0.490	H	24															
1974 SEP 18	12:00E	14.4	0.276	H	23															
1974 OCT 22	12:00E	4.4	0.249	Y	33															
1975 MAY 29	12:00E	13.3	1.70	H	57															
1975 JUL 09	12:00E	24.4	0.173	H	8															
1975 AUG 11	12:00E	21.1	0.142	H	2															
1975 SEP 12	12:00E	17.8	0.405	H	8															
1976 MAR 20	12:00E		27.0	W	183															
1976 MAR 21	12:00E		22.3	W	184															
1976 MAR [illegible]	12:00E		4.22	H	31															
1976 APR 07	12:00E		3.99	H	30															
1976 MAY 06	12:00E		0.541	H	20															
1976 JUN 08	12:00E	19.0	1.57	H	53															
1976 JUL 06	12:00E	23.0	0.300	H	11															
1976 AUG 05	12:00E	19.0	0.037	H	8															
1976 OCT 05	12:00E	5.5	0	H	8															
1976 NOV 03	12:00E	1.0	0.071	H	20															
1977 MAR 08	12:00E	0.5	1.16	W	11															
1977 MAR 16	12:00E	0.5	1.25	W	15															
1977 APR 06	12:00E	2.5	2.12	W	24															
1977 APR 13	12:00E	9.0	1.88	H	17															
1977 MAY 12	12:00E	17.5	0.877	H	17															
1977 JUN 08	12:00E	20.0	0.116	H	5															
1977 JUL 13	12:00E	17.0	0.040	H	11															
1977 SEP 28	12:00E	11.0	0.127	H	14															
1977 NOV 02	12:00E	5.0	0.269	V	15															
1978 MAR 28	12:00E	0.5	11.0	W	157	206														
1978 MAR 31	12:00E		15.3	W	230	247														
1978 APR 04	12:00E	2.0	5.24	W	52	313														
1978 APR 05	12:00E	4.0	5.83	H	53	327														
1978 APR 12	12:00E	3.0	3.57	H	29	394														
1978 MAY 01	12:00E	13.0	2.87	V	14	428														
1978 JUN 01	12:00E	11.0	0.823	V	21	457														
1978 JUN 28	12:00E		0.204	H	4	440														
1978 NOV 09	12:00E	1.0	0.388	W	10	477														
1979 APR 25	12:00E		5.17	H	56	337														
1979 MAY 10	12:00E	15.0	3.21	H	16	459														
1979 JUN 06	12:00E	18.0	0.903	H	11	455														
1980 MAR 17	12:00E	0.5	0.403	W	13	387														
1980 MAR 19	12:00E	0.1	2.22	W	69	382														
1980 MAR 21	12:00E	0.1	3.21	W	88	229														
1980 MAR 25	12:00E	0.1	1.08	W	24	287														
1980 APR 02	12:00E	0.1	1.53	W	22	285														
1980 APR 15	12:00E	5.0	2.15	H	13	386														
1980 MAY 08	12:00E	12.0	0.434	H	73	411														
1980 JUN 10	12:00E	18.0	0.239	H	2	402														
1981 FEB 23	12:00E	0.5	1.54	W	80	222														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS
Y - DAILY MEAN; ESTIMATED

SWIFT CURRENT CREEK NEAR LEINAN - STATION NO. 05MD039

LOCATION: LAT 50 29 38 N LONG 107 39 31 W
DRAINAGE AREA: 3 730 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1973 MAR 06	12:00E	0.6	0.824	W	9															
1973 MAR 14	12:00E	0.6	0.850	W	9															
1973 MAR 27	12:00E	0.6	0.850	W	41															
1973 MAY 10	12:00E	13.0	0.282	H	33															
1973 JUN 05	12:00E		0.651	H	19															
1973 JUL 17	12:00E	16.5	0.068	H	19															
1973 AUG 22	12:00E	16.0	0.181	H	8															
1973 AUG 25	12:00E		0.236	H	15															
1973 AUG 27	12:00E		0.294	H	25															
1973 AUG 29	12:00E		0.331	H	18															
1973 SEP 01	12:00E		0.311	H	11															
1973 SEP 03	12:00E		0.244	H	9															
1973 SEP 11	12:00E	16.5	0.328	H	8															
1973 SEP 21	12:00E		0.303	H	16															
1973 SEP 22	12:00E		0.294	H	8															
1973 SEP 24	12:00E		0.337	H	8															
1973 SEP 28	12:00E		0.425	H	8															
1973 OCT 01	12:00E		0.368	H	9															
1973 OCT 03	12:00E	10.0	0.343	H	4															
1974 MAR 05	12:00E	0.1	0.306	W	12															
1974 MAR 06	12:00E	0.1	0.283	W	35															
1974 APR 03	12:00E	0.1	0.076	W	28															
1974 APR 08	12:00E	0.5	4.90	W	170															
1974 APR 11	12:00E	0.5	13.2	W	615															
1974 APR 16	12:00E	1.1	28.9	W	1 050															
1974 APR 18	12:00E	2.2	20.6	H	753															
1974 APR 19	12:00E	4.4	15.0	H	451															
1974 APR 24	12:00E	12.8	4.81	H	87															
1974 MAY 09	12:00E	15.5	1.24	H	28															
1974 JUN 20	12:00E	25.0	0.803	H	7															
1974 JUL 24	12:00E	22.2	0.640	H	14															
1974 SEP 04	12:00E	15.2	0.988	H	7															
1974 OCT 03	12:00E	8.8	1.20	H	9															
1974 NOV 06	12:00E	2.8	1.12	H	12															
1976 MAR 31	12:00E	1.0	12.4	H	220															
1976 APR 06	12:00E		4.98	H	61															
1976 APR 21	12:00E	7.0	2.68	H	23															
1976 MAY 03	12:00E		1.83	H	13															
1976 JUN 09	12:00E	16.0	2.25	H	182															
1976 JUL 07	12:00E	21.5	1.28	H	47															
1976 AUG 06	12:00E		1.38	H	63															
1976 SEP 15	12:00E	15.0	1.95	H	42															
1976 OCT 04	12:00E	3.5	1.53	H	42															
1976 NOV 04	12:00E	0.1	1.18	H	21															
1981 MAR 17	12:00E	0.1	1.70	W	15	481														
1981 MAR 26	12:00E	0.1	0.592	W	16	524														
1981 APR 01	12:00E	4.0	0.815	H	16	713														
1981 APR 21	12:00E	8.0	0.463	H	12	998														
1981 MAY 25	12:00E	17.0	0.260	H	5	946														
1981 JUN 22	12:00E	17.0	0.751	H	3	1 000														
1982 APR 14	10:40	0.5	25.9		889	K 171	14	18	27	34	48	81	76	90	97	99	100	38	53	10
1982 APR 16	12:00E	1.0	9.14	W	215	202														
1982 APR 20	12:00E	0.5	3.50	H	43	388														
1982 APR 26	12:00E	6.5	2.09	H	18	513														
1982 MAY 25	12:00E	15.0	0.682	H	7	802														
1982 JUN 02	12:00E	15.0	4.18	H	87	731														
1982 JUL 06	12:00E	15.0	3.20	H	95	270														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

SWIFT CURRENT CREEK NEAR THE MOUTH - STATION NO. 05HD037

LOCATION LAT 50 36 06 N LONG 107 43 22 W
DRAINAGE AREA: 3 910 km²
TYPE OF FLOW: REGULATED SINCE 1942
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1973 MAR 14	12:00E	0.6		15															
1973 MAR 16	12:00E			50															
1973 MAR 18	12:00E			89															
1973 MAR 20	12:00E			71															
1973 MAR 22	12:00E			71															
1973 MAR 24	12:00E			48															
1973 MAR 26	12:00E			42															
1973 MAR 27	12:00E	0.6		40															
1973 MAR 28	12:00E			30															
1973 MAR 30	12:00E			51															
1973 APR 01	12:00E			37															
1973 APR 03	12:00E			18															
1973 APR 05	12:00E			24															
1973 APR 07	12:00E			13															
1973 APR 09	12:00E			10															
1973 APR 11	12:00E			12															
1973 APR 13	12:00E			21															
1973 APR 15	12:00E			16															
1973 APR 17	12:00E			16															
1973 APR 23	12:00E			39															
1973 APR 25	12:00E			39															
1973 APR 27	12:00E			23															
1973 MAY 01	12:00E			29															
1973 MAY 03	12:00E			24															
1973 MAY 07	12:00E			21															
1973 MAY 09	12:00E			19															
1973 MAY 10	12:00E	13.0		20															
1973 MAY 11	12:00E			19															
1973 MAY 13	12:00E			23															

TIME SYMBOL: E - ESTIMATED

WASCANA CREEK NEAR LUMSDEN - STATION NO. 05JF005

LOCATION LAT 50 38 10 N LONG 104 54 35 W
DRAINAGE AREA: 4 620 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1969 APR 16	11:15	8.4			536	231	44	53	65	82	93	98	100					2	45	53
1969 APR 20	12:50	10.0			464	245	38	48	64	81	94	98	100					1	50	49
1969 APR 22	15:40	10.6			517	267	25	36	50	68	88	99	100					1	63	36
1973 MAR 13	12:00E	1.7	0.932	W	22															
1973 MAR 23	12:00E	1.1	0.934	H	20															
1973 APR 04	12:00E	1.1	1.07	H	32															
1974 APR 18	12:00E		17.8	H	885															
1974 APR 30	12:00E		54.8	H	784															
1974 MAY 06	12:00E		28.0	H	823															
1974 MAY 28	12:00E		18.1	H	330															
1974 JUN 26	12:00E	23.0	1.19	H	18															
1974 JUL 24	12:00E	22.5	0.827	H	50															
1974 AUG 23	12:00E	18.5	0.360	H	27															
1974 SEP 25	12:00E	13.5	1.35	H	38															
1974 OCT 30	12:00E	8.5	0.950	H	45															
1977 APR 20	12:00E	7.0	0.680	H	51															
1977 MAY 17	12:00E		1.51	H	11															
1977 JUN 01	12:00E	17.0	0.824	H	38															
1977 JUN 29	12:00E	20.0	1.27	H	15															
1977 JUL 12	13:35	20.0	7.65		318	K	5	9	28	60	85	95	98	99	100			5	86	9
1977 AUG 04	12:00E	17.0	0.731	H	37															
1977 AUG 31	12:00E	15.0	0.515	H	42															
1977 OCT 03	12:00E	8.5	0.371	H	21															
1977 NOV 02	12:00E	5.0	0.309	H	11															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

WASCANA CREEK NEAR RICHARDSON - STATION NO. 05JF009

LOCATION: LAT 50 23 51 N LONG 104 29 13 W
DRAINAGE AREA: 3 130 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1976 APR 02	12:00E	4.0			170																
1976 APR 04	12:00E	2.0			200																
1976 APR 05	12:00E	9.0			335																
1976 APR 06	12:00E	7.0			309																
1976 APR 07	12:00E	13.0			281																
1976 APR 08	12:00E	15.0			283																
1976 APR 09	12:00E	17.0			288																
1976 APR 10	12:00E	9.0			318																
1976 APR 11	12:40	6.0	58.5		535	K		69	79	89	94	95	97	99	100				3	18	79
1976 APR 12	12:00E	17.0			488																
1976 APR 13	12:00E	16.0			348																
1976 APR 14	12:00E	14.0			421																
1976 APR 15	12:00E	14.0			382																
1976 APR 16	12:00E	5.0			357																
1976 APR 17	12:00E				862																
1976 APR 19	12:00E				350																
1976 APR 20	12:00E	3.0			326																
1976 APR 26	12:00E				561																
1976 APR 27	12:00E	12.0			404																
1976 APR 28	12:00E	14.0			305																
1976 APR 29	12:00E				285																
1976 APR 30	12:00E				376																
1976 MAY 03	15:20		8.23		367	K		70	79	88	91	93	95	97	99	100			5	16	79

TIME SYMBOL: E - ESTIMATED

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

WHITE FOX RIVER NEAR GARRICK - STATION NO. 05KE005

LOCATION: LAT 53 25 20 N LONG 104 20 30 W
DRAINAGE AREA: 1 870 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 APR 26	11:00		128	H	250		150														
1972 APR 26	11:01E		128	H	202																

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN

WHITESAND RIVER NEAR CANORA - STATION NO. 05MB003

LOCATION: LAT 51 38 11 N LONG 102 22 11 W
DRAINAGE AREA: 8 740 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1978 APR 24	12:00E	0.5	57.4	W	57	208														
1978 APR 25	13:00E	3.5	56.8	W	32	218														
1978 APR 28	12:00E	5.5	94.3	H	18	284														
1978 MAY 10	12:00E	5.5	31.8	H	4	280														

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS

WILLIAM RIVER ABOVE CARSWELL RIVER - STATION NO. 07MA004

LOCATION: LAT 58 48 50 N LONG 109 00 10 W
DRAINAGE AREA: 4 030 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1982 AUG 25	12:00E	7.0	12.4	V	2	42														
1982 OCT 06	12:00E		14.3	H	4	39														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE

WIWA CREEK NEAR GRAVELBOURG - STATION NO. 05JC001

LOCATION: LAT 50 02 14 N LONG 106 32 58 W
DRAINAGE AREA: 1 560 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 APR 10	19:00	11.2	0.071	V	24	783														

DISCHARGE SYMBOL(S): V - DAILY MEAN, ESTIMATED

YELLOW GRASS DITCH NEAR YELLOW GRASS - STATION NO. 05NB011

LOCATION: LAT 49 47 11 N LONG 104 02 16 W
DRAINAGE AREA: 1 900 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1977 APR 05	12:00E	3.5	0.249	V	54															
1977 APR 13	12:00E	8.0	0.093	H	81															
1978 APR 05	12:00E	0.5	3.31	W	136	213														
1978 APR 07	12:00E	0.5	3.00	W	154	235														
1978 APR 10	12:00E	3.0	1.18	H	255	240														
1978 APR 14	12:00E	5.0	0.558	H	196	247														
1978 APR 24	12:00E	8.0	1.01	H	115	236														
1978 JUL 05	12:00E		0.438	H	988	180														
1978 APR 22	12:00E	3.5	20.5	W	185	117														
1978 APR 26	12:00E	7.5	36.3	H	246	148														
1978 APR 30	12:00E	5.5	26.8	H	266	146														
1979 MAY 04	11:15	5.0	21.2		296 K	187	77	82	88	90	92	94	97	99	100			8	12	82
1979 MAY 10	14:00	8.0	15.0		279 K	180	82	92	96	97	97	98	99	100				2	6	92
1979 MAY 24	10:25	16.0	2.91		554 K	198	93	94	97	98	98	98	100					1	5	94
1979 JUN 20	12:00E		0.147	H	119	283														
1979 JUL 05	12:00E		1.48	H	147	306														
1980 APR 02	12:00E	2.0	2.08	W	200	185														
1980 APR 03	15:30	2.5	4.30		328 K	182	76	85	92	95	98	97	98	99	100			3	12	85
1980 APR 08	12:00E	4.5	1.47	H	95	231														
1980 APR 15	12:00E	9.0	1.63	H	135	234														
1980 APR 24	12:00E		0.111	H	123	312														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE W - DAILY MEAN, ICE CONDITIONS
CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL

AISHIHIK RIVER NEAR WHITEHORSE - STATION NO. 08AA001

LOCATION: LAT 60 51 40 N LONG 137 03 40 W
DRAINAGE AREA: 4 300 km²
TYPE OF FLOW: REGULATED SINCE 1974
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 JUN 15	07:35	8.3	56.6	H	249	89	08	13	26	42	57	72	84	93	98	100		28	59	13

DISCHARGE SYMBOL(S) H - DAILY MEAN

ALSEK RIVER ABOVE BATES RIVER - STATION NO. 08AB001

LOCATION: LAT 60 07 09 N LONG 137 58 27 W
DRAINAGE AREA: 15 200 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1974 JUL 16	13:15	8.1	578	H	408 K		48	84	82	89	93	96	98	99	100			4	32	64
1974 SEP 04	13:00	6.1	886	H	1 590 K		44	57	78	92	96	97	97	98	99	100		3	40	57
1975 MAY 02	12:00E	1.1	45.8	W	50	177														
1975 JUN 02	15:30	4.4	281	H	271 K	116	41	62	78	88	93	95	97	99	99	100		5	33	62
1975 JUL 18	12:05	8.3	868	H	1 170 K	105	26	39	55	71	80	86	93	97	99	100		14	47	39
1975 AUG 12	12:05	5.0	518	H	189 K	85	27	36	50	64	74	82	88	91	97	100		18	46	36
1975 SEP 04	12:00E	3.9	331	V	104	89														
1975 OCT 10	12:00E	2.2	195	H	93	101														
1976 JUN 08	12:00E	5.0	265	V	116															
1976 AUG 13	08:15	4.4	708		772 K		32	44	64	80	90	95	97	98	99	100		5	51	44
1976 AUG 25	11:15	3.8	470		233 K		32	50	74	92	98	97	98	99	100			3	47	50
1976 OCT 20	12:00E	1.1	105	V	89															
1977 MAY 10	12:00E	2.2	93.2	V	65															
1977 JUN 22	12:00E	5.1	504	H	95															
1977 JUL 26	13:30	5.6	702	H	511 K		27	37	52	72	87	94	98	99	100			6	57	37
1977 AUG 21	12:00E	4.4	1 050	H	829															
1977 OCT 06	12:00E	1.1	108	V	62															
1978 JUL 22	12:00		711		386 R	63 R	47	57	70	78	84	88	93	98	100			12	31	57
1978 AUG 18	12:24	4.8	500		210 R	75 R	58	86	76	81	88	90	95	97	99	100		10	24	66
1978 SEP 21	12:00E	3.0	152	V	72 R	81 R														
1979 JUL 12	17:37		790		294 R	94 R	32	42	50	58	65	72	80	88	95	100		28	30	42
1979 AUG 25	14:15	4.5	629		269 R	83 R	43	57	70	78	80	85	89	93	98	100		15	28	57
1979 OCT 28	12:00E	3.0	143	V	72 R	89 R														
1980 MAY 15	15:15	3.0	158		214 R	148 R	25	33	53	72	82	90	96	98	100			10	57	33
1980 AUG 25	12:00E	4.5	367	H	78 R	72 R														
1980 OCT 10	12:00E	2.5	180	H	48 R	107 R														
1982 OCT 14	12:00E	2.0	136	H	86 R	86 R														
1983 MAY 24	12:00E	2.0	183	V	43 R	137 R														
1983 JUN 28	16:58	4.0	740		108 R	130 R	40	48	53	60	65	73	82	90	95	100		27	27	46
1983 AUG 10	14:17	2.8	784		228 R	112 R	51	84	70	74	79	88	93	97	99	100		14	22	64

TIME SYMBOL E - ESTIMATED

DISCHARGE SYMBOL(S) H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE W - DAILY MEAN, ICE CONDITIONS

CONCENTRATION SYMBOL(S) K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL R - SAMPLES COLLECTED IN SEVERAL VERTICALS

DISSOLVED SOLIDS SYMBOL(S) R - SAMPLES COLLECTED IN SEVERAL VERTICALS

BIG CREEK NEAR THE MOUTH - STATION NO. 09AH003

LOCATION: LAT 62 34 07 N LONG 137 00 58 W
DRAINAGE AREA: 1 750 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1977 JUL 13	12:00E	8.9	5.01	H	14															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN

FIRTH RIVER NEAR THE MOUTH - STATION NO. 10MD001

LOCATION: LAT 69 19 00 N LONG 139 34 00 W
DRAINAGE AREA: 5 710 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 JUN 21	12:00E	5.5	154	H	37															
1972 JUL 25	12:00E	7.0	90.9	H	23															
1972 SEP 13	12:00E	3.0	46.4	H	3															
1973 JUN 05	12:00E	3.5	129	V	41															
1973 JUL 03	12:00E	10.0	82.3	H	1															
1973 AUG 07	12:00E	11.0	42.2	H	17															
1973 SEP 18	12:00E	8.0	39.4	H	7															
1974 MAY 22	12:00E	0.5			76															
1974 JUN 09	12:00E	5.5	80.0	V	7															
1974 AUG 14	12:00E	7.5	92.9	H	31															
1974 SEP 21	12:00E	3.5	29.4	H	2															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE

LIARD RIVER AT UPPER CROSSING - STATION NO. 10AA001

LOCATION: LAT 60 03 00 N LONG 128 54 00 W
DRAINAGE AREA: 33 400 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1972 MAY 31	12:15	6.1	2 480	H	291	88	08	11	21	39	62	83	95	99	100			17	72	11
1974 DEC 11	12:00E	0.1	150	W	15															
1975 JUN 24	12:00E	11.1	1 250	H	53 R	77 R														
1982 JUN 10	12:00E	8.5	1 450	V	161 R	78 R														
1982 AUG 25	12:00E	12.2	280	H	4 R	105 R														
1983 JUN 04	21:50	7.0	1 510		239 R	87 R	18	23	30	40	50	59	67	75	82	92	98	41	35	23
1983 SEP 03	12:00E	17.0	371	H	7															
1983 OCT 16	12:00E	2.0	280	H	4															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS
CONCENTRATION SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS
DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

M'CLINTOCK RIVER NEAR WHITEHORSE - STATION NO. 09AB003

LOCATION LAT 60 35 45 N LONG 134 27 27 W
DRAINAGE AREA 1 700 km²
TYPE OF FLOW NATURAL
TYPE OF GAUGE RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1977 JUL 12	12:00E	14.4	19.0 V	33															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): V - DAILY MEAN, MANUAL GAUGE

OGILVIE RIVER AT KILOMETRE 197.9 DEMPSTER HIGHWAY - STATION NO. 10MA002

LOCATION LAT 65 21 45 N LONG 138 17 50 W
DRAINAGE AREA 5 410 km²
TYPE OF FLOW NATURAL
TYPE OF GAUGE RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1974 JUN 18	12:00E	7.2	69.4 N	3															
1974 DEC 07	12:00E	0.1	2.47 W	3															

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): N - DAILY MEAN W - DAILY MEAN, ICE CONDITIONS

PELLY RIVER AT PELLY CROSSING - STATION NO. 09BC001

LOCATION: LAT 62 48 47 N LONG 136 34 50 W
DRAINAGE AREA: 49 000 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1968 JUN 05	09:35	6.1	1 540		204	112														
1970 JUN 10	19:05	9.5	2 280	H	350 K	101	11	17	33	47	61	75	84	93	98	100		28	55	17
1970 JUN 11	09:50	10.0	1 880	H	385 K	109	8	17	32	47	58	71	85	95	99	100		28	54	17
1970 JUL 28	18:43	16.5	1 190	H	186 K	123	18	22	36	49	62	76	83	92	98	100		24	54	22
1970 JUL 31	11:35	15.0	966	H	102 K	135	8	15	30	44	58	68	83	94	99	100		32	53	15
1970 NOV 25	12:00E	0.1	118	W	11	230														
1971 JAN 20	12:00E	0.1	62.5	W	5	221														
1971 FEB 16	12:00E	0.1	45.6	W	3	228														
1971 MAR 17	12:00E	0.1	44.7	W	6	227														
1971 MAY 26	19:00	7.2	1 350	H	291 K	117	15	18	30	44	58	72	84	93	98	100		28	54	18
1971 MAY 27	14:00	7.8	1 340	H	280 K	121	15	20	32	45	59	72	83	93	98	100		28	52	20
1971 JUN 22	18:15	15.0	1 430	H	210 K	107	12	19	34	53	68	78	89	98	100			25	56	19
1971 JUL 22	12:00E		880	H	81	128														
1972 AUG 01	15:45	12.2	835	H	309 K	122	19	29	45	57	84	72	82	91	98	100		28	43	29
1972 AUG 01	15:45	12.2	835	H	309	122	19	29	45	57	84	72	82	91	98	100		28	43	29
1972 SEP 06	11:55	10.0	354	H	17	148														
1972 OCT 05	19:40	2.0	288	H	11	158														
1973 MAR 28	12:00E	0.1	44.5	W	1	233														
1973 JUL 28	12:00E	17.2	478	H	40	52														
1974 JUN 19	13:50	10.5	1 200	H	158 K		3	10	25	40	54	64	75	87	95	100		38	54	10
1974 OCT 16	12:00E	5.5	234	H	9															
1974 NOV 03	12:00E	0.1	178	H	4															
1975 JUN 07	15:20	8.7	2 590	H	482 R	95 R	6	13	22	31	48	58	80	88	100			42	45	13
1975 AUG 18	12:00E	13.3	493	H	37 R	122 R														
1975 OCT 01	12:00E	5.7	530	H	30 R	130 R														
1976 JUN 03	14:50	10.0	1 140	H	243 R		7	10	18	40	52	63	73	85	89	95	100	37	53	10
1976 AUG 17	12:00E	15.5	439	H	27															
1976 OCT 05	12:00E	4.4	326	H	15															
1977 JUN 22	12:00E	15.5	928	H	114															
1977 AUG 04	12:00E	18.0	515	H	61															
1977 OCT 05	12:00E	3.0	484	H	38															
1978 JUN 11	13:10	12.5	1 070		221 R	90 R	10	18	28	42	53	64	78	90	98	100		36	48	16
1978 AUG 16	12:00E	16.0	750	H	86 R	122 R														
1978 SEP 13	12:00E	11.0	340	V	11 R	148 R														
1979 JUN 06	18:00	9.0	2 090		852 R	101 R	7	13	22	33	44	54	65	78	88	98	100	48	41	13
1979 AUG 09	12:00E	15.5	808	H	108 R	145 R														
1979 SEP 10	12:00E	11.5	289	H	8 R	158 R														
1980 MAY 31	12:00E	10.0	814	V	138 R	117 R														
1980 SEP 12	12:00E		398	H	22 R	148 R														
1983 JUN 08	18:35	9.0	2 200		349 R	91 R	17	26	37	47	57	68	77	85	95	100		32	42	26

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS

CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL R - SAMPLES COLLECTED IN SEVERAL VERTICALS

DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

STEWART RIVER AT THE MOUTH - STATION NO. 09DD003

LOCATION: LAT 63 16 55 N LONG 139 14 56 W
DRAINAGE AREA: 51 000 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)		INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1968 JUN 08	13 30	7.2	2	030		207	109														
1975 APR 07	12 00E	0.1		81.7	W	3	176														
1975 JUN 20	11 30	11.7	2	250	H	244 K	87	14	20	38	52	84	78	92	89	100			22	58	20
1975 AUG 13	12 00E	12.2		648	H	26	128														
1975 SEP 26	12 00E	8.7		738	H	57	130														
1976 AUG 12	12 00E	16.7		467	H	17															
1977 AUG 04	12 00E	18.0		527	H	10															
1977 SEP 29	12 00E	5.5		430	H	10															
1978 JUN 08	11 30	9.5	1	980		104 R	104 R	8	17	29	45	80	78	91	98	100			24	59	17
1979 JUN 15	10 20	11.0	1	720		189 R	103 R	14	18	31	45	57	67	79	88	93	100		33	49	18
1979 AUG 16	12 00E			777	H	32 R	140 R														
1979 SEP 16	12 00E	7.0		378	H	14 R	158 R														
1980 SEP 28	12 00E	6.5		480	H	28 R	148 R														
1982 JUN 17	13 13	11.0	1	920		305 R	95 R	14	21	36	49	80	72	84	95	98	100		28	51	21
1982 AUG 27	12 00E	11.0		426	H	8 R	157 R														
1983 SEP 18	12 00E	5.5		517	H	8 R	186 R														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN, ICE CONDITIONS
CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL R - SAMPLES COLLECTED IN SEVERAL VERTICALS
DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

WHITE RIVER AT KILOMETRE 1881.6 ALASKA HIGHWAY - STATION NO. 09CB001

LOCATION: LAT 61 58 41 N LONG 140 33 10 W
DRAINAGE AREA: 8 240 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)		INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1975 APR 30	12 00E	0.6		16.1	W	85	253														
1977 MAY 11	15 54	1.1		40.5		337 R		11	15	27	46	67	81	89	95	98	100		19	66	15
1977 JUN 23	12 00	3.9		248	H	1 210 K		14	20	31	42	52	63	73	84	95	100		37	43	20
1977 JUL 13	13 55	5.0		382	H	3 590 K		20	26	36	49	63	78	90	98	100			24	50	26
1977 JUL 28	13 30	5.8		436	H	4 340 K		24	34	46	64	78	91	98	100				9	57	34
1977 JUL 28	13 35	5.8		436	H	4 260 K		25	34	46	65	80	91	98	100				9	57	34
1977 AUG 09	12 15	6.1		555	H	8 020 K		14	21	31	44	59	74	87	97	100			28	53	21
1977 AUG 08	12 20	6.1		555	H	11 400 K		8	11	16	22	39	38	50	64	88	100		62	27	11
1977 AUG 17	11 00	5.0		487	H	7 850 K		11	18	25	32	38	45	54	83	93	100		55	27	18
1977 AUG 17	11 05	5.0		487	H	8 130 K		14	21	29	38	49	59	71	84	95	100		41	38	21
1977 SEP 28	12 00E	3.3		54.1	H	70															
1978 JUL 20	19 00	11.0		411		5 570 R	138 R	11	20	40	55	88	78	85	92	97	100		24	56	20
1978 SEP 24	12 00E	3.0		51.3	V	91 R	239 R														
1979 JUN 15	14 30	8.6		161		1 220 R	180 R	20	28	39	48	54	59	68	80	93	100		41	31	28
1979 AUG 01	18 48	9.0		767		8 890 R	184 R	11	16	25	38	52	67	83	94	98	100		33	61	16
1979 OCT 10	12 00E	2.0		50.4	H	104 R	213 R														
1980 JUN 19	12 14	6.1		127		773 R	162 R	32	42	55	64	70	78	88	93	96	100		24	34	42
1980 JUL 31	10 11			134		2 170 R	145 R	22	29	40	52	60	68	81	93	98	100		32	39	29
1980 OCT 01	12 00E	4.0		62.6	V	188 R	252 R														
1982 SEP 18	12 00E			185	H	3 030 R	127 R														
1983 SEP 14	12 00E	3.0		72.0	V	131 R	221 R														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS
Y - DAILY MEAN; ESTIMATED
CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL R - SAMPLES COLLECTED IN SEVERAL VERTICALS
DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

YUKON RIVER ABOVE WHITE RIVER - STATION NO. 09CD001

LOCATION: LAT 63 05 02 N LONG 139 29 40 W
DRAINAGE AREA: 150 000 km²
TYPE OF FLOW: REGULATED SINCE 1925
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1977 AUG 03	12:00E	17.5	2 380	H	17															
1978 JUN 07	15:00	11.0	2 840		418 R	97 R	10	18	26	39	54	68	81	88	91	92	92	32	52	16
1978 SEP 21	12:00E	8.0	1 150	H	18 R	104 R														
1979 JUN 14	14:10	9.5	3 800		245 R	91 R	11	16	23	37	49	62	77	89	95	100		38	48	14
1979 AUG 15	12:00E	16.0	2 370	H	47 R	98 R														
1979 SEP 18	12:00E	10.0	1 400	H	31 R	92 R														
1980 SEP 27	12:00E	6.0	1 540	V	20 R	101 R														
1982 JUN 18	17:45	11.0	3 460		227 R	80 R	8	12	21	34	48	67	72	89	98	100		43	45	12
1982 AUG 28	12:00E	13.0	1 230	H	13 R	95 R														
1983 JUN 04	12:00E	6.0	3 880		874 R	81 R	14	18	30	40	52	83	74	82	89	98	100	37	45	18
1983 JUN 24	12:00E	16.0	2 680	H	146 R	107 R														
1983 SEP 17	12:00E	8.0	1 570	H	19 R	19 R														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE
CONCENTRATION SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS
DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

YUKON RIVER AT DAWSON - STATION NO. 09EB001

LOCATION: LAT 64 04 12 N LONG 139 25 30 W
DRAINAGE AREA: 284 000 km²
TYPE OF FLOW: REGULATED SINCE 1925
TYPE OF GAUGE: MANUAL

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 JUN 21	12:05	12.2	5 000	H	354 K	116	17	22	34	44	49	80	81	97	100			40	38	22
1971 AUG 27	14:30	11.1	3 400	H	300 K	156	8	15	25	38	48	82	83	97	100			36	47	15
1974 JUN 12	12:00E	10.0	4 420	V	177															
1974 DEC 04	12:00E		750	W	18															
1975 JUN 17	17:50	9.4	5 120		219 K	102	13	16	27	36	48	81	82	97	100			39	47	14
1975 AUG 13	16:05	12.6	4 280	H	263 K	121	8	15	28	38	50	83	78	95	100			37	47	16
1975 SEP 22	14:25	7.6	3 890	H	222 K	111	12	13	24	31	36	48	64	80	94	100		54	33	13
1976 JUN 11	17:22	9.4	5 460		1 170 K		8	11	17	30	52	76	93	99	100			24	65	11
1976 OCT 01	12:00E		2 110	V	53															
1977 AUG 04	18:37		4 160	H	818 R		24	34	50	67	81	92	97	99	100			8	58	34
1977 SEP 30	12:00E	6.0	2 880	H	108															
1978 AUG 08	14:55	17.0	4 250		2 510 R	136 R	19	28	44	63	79	92	98	100				6	63	29
1978 JUN 12	14:04	8.5	5 840		547 R	110 R	7	10	16	24	35	49	71	88	98	100		51	39	10
1978 SEP 13	12:00E	8.0	3 030	H	187 R	124 R														

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN, MANUAL GAUGE W - DAILY MEAN, ICE CONDITIONS
CONCENTRATION SYMBOL(S): K - SAMPLE(S) COLLECTED IN A SINGLE VERTICAL R - SAMPLES COLLECTED IN SEVERAL VERTICALS
DISSOLVED SOLIDS SYMBOL(S): R - SAMPLES COLLECTED IN SEVERAL VERTICALS

YUKON RIVER AT WHITEHORSE - STATION NO. 09AB001

LOCATION: LAT 60 42 30 N LONG 135 02 35 W
DRAINAGE AREA: 19 400 km²
TYPE OF FLOW: REGULATED SINCE 1926
TYPE OF GAUGE: RECORDING

INSTANTANEOUS SUSPENDED SEDIMENT

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
1971 JAN 05	12:00E	0.6	135	W	3	67														
1971 FEB 01	12:00E	1.1	119	W	2	70														
1971 MAR 15	12:00E	2.8	121	W	2	68														
1977 JUL 12	12:00E	15.8	416	H	36															

TIME SYMBOL: E - ESTIMATED

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS

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